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EFFLUENT MONITORING REGULATION - IRON AND STEEL SECTOR

ONTARIO REGULATION 321/89 as amended by
ONTARIO REGULATION 602/89

MISA
Municipal/Industrial Strategy for Abatement

MAY 1990

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REGULATION MADE UNDER THE ENVIRONMENTAL PROTECTION ACT

EFFLUENT MONITORING - IRON AND STEEL MANUFACTURING SECTOR

Definitions

1.-(1) In this Regulation,

"acid pickling" means the chemical removal of oxides and scale from the surface of steel by the action of water solutions and inorganic acids;

"characterization" in relation to a plant, means the analysis of a sample for all of the parameters specified in the characterization parameters schedule for that plant;

"cold forming" means the steel forming process in which cold steel is transformed in size and shape through a series of forming steps;

"cokemaking" means the production of coke from coal in coking ovens;

"cooling water" means water and associated material that is used in an industrial process for the purpose of removing heat, that is not intended to come into contact with process materials, and that is discharged to a surface watercourse;

"cooling water effluent stream" means cooling water that flows through an open or closed channel;

"cooling water sampling point" means a location in a cooling water effluent stream situated before the place of discharge to a surface watercourse;

"final effluent" means any effluent that contains process subcategory effluent and one or more of cooling water, storm water and waste disposal site effluent;

"final effluent sampling point" means a location in a final effluent stream situated before the place of discharge to a surface watercourse;

"final effluent stream" means a final effluent that flows through an open or closed channel;

"final treatment" means the last treatment of an effluent before that effluent is discharged to a surface watercourse;

"General Effluent Monitoring Regulation" means Ontario Regulation 695/88;

"hot forming" means the steel forming process in which hot steel is transformed in size and shape through a series of forming steps to produce semi-finished and finished steel products;

"ironmaking" means the production of molten iron by the reduction of iron ore, sinter and steel slag;

"open characterization" in relation to a plant, means the analysis of a sample,

(a) to identify and quantify all of the parameters in analytical test groups 16, 17, 19, 20 and 23 as indicated in the characterization parameters schedule for that plant, and

(b) to identify and to determine the approximate quantity of all of the parameters in analytical test groups 28a, 28b and 29 as indicated in Schedule C to this Regulation;

"process change" means a change in equipment, production process or treatment process;

"process subcategory" means any of the processes of cokemaking, sintering, ironmaking, steelmaking wet process, cold forming, hot forming, salt bath descaling and acid pickling;

"process subcategory effluent" means any effluent that is generated by a process subcategory;

"process subcategory effluent sampling point" means a location in a process subcategory effluent stream situated,

(a) upstream of any significant contaminant masking or significant dilution from any other effluent stream, and

(b) after any treatment other than final treatment and before any final treatment;

"process subcategory effluent stream" means a process subcategory effluent that flows through an open or closed channel;

"quarterly" means once in each three month period beginning on the first day of January, April, July and October;

"salt bath descaling" means the processing of specialty steel products in molten salt solutions in order to remove scale;

"semi-annually" means once in each six month period beginning on the first day of January and July;

"sintering" means the production of an iron ore agglomerate for use as a feed material in making iron;

"steelmaking wet process" means the production of steel in basic oxygen or electric arc furnaces using wet gas cleaning methods;

"storage site" means land owned, occupied or managed by a direct discharger and used to store coal or coke;

"storage site effluent" means any liquid and associated material that is collected from a storage site for discharge to a surface watercourse;

"storage site effluent sampling point" means a location in a storage site effluent stream situated,

(a) before any place of discharge to a surface watercourse,

(b) upstream of significant dilution from any other effluent stream, and

(c) after any final treatment;

"storage site effluent stream" means storage site effluent that flows through an open or closed channel;

"treatment" means the use of a physical, chemical or biological process or any combination thereof, to condition an effluent;

"waste disposal site effluent" means any liquid and associated material from a waste disposal site that has been in contact with waste and that is collected for discharge to a surface watercourse.

(2) The definitions in section 1 of the General Effluent Monitoring Regulation that are not redefined in this Regulation apply to this Regulation.

Purpose

2. The purpose of this Regulation is to establish a data base on effluent quality in the iron and steel sector that will be used, along with other pertinent information, to develop effluent limits for the iron and steel sector.

Application

3.-(1) This Regulation applies only with respect to the plants listed in subsection (2) and only with respect to the effluent streams named in the site-specific monitoring schedules for those plants.

(2) The characterization parameters schedule and the site-specific monitoring schedule for each plant are as follows:

Plant	Location	Owner as of the 21st of April, 1989	Characterization Parameters Schedule	Site-Specific Monitoring Schedule
Algoma Steel	Sault Ste. Marie	Dofasco Inc.	A	1
Atlas Specialty Steels	City of Welland	Rio Algom Limited	B	2
Dofasco	City of Hamilton	Dofasco Inc.	A	3
Ivaco Rolling Mills	L'Orignal	Ivaco Inc.	B	4
Lasco	Town of Whitby	Co-Steel International Limited	B	5
Stelco Steel Hilton Works	City of Hamilton	Stelco Inc.	A	6
Stelco Steel Lake Erie Works	City of Nanticoke	Stelco Inc.	A	7

(3) This Regulation is a Sectoral Effluent Monitoring Regulation within the meaning of the General Effluent Monitoring Regulation.

(4) Each direct discharger shall carry out the monitoring obligations, including the sampling, analysis, toxicity testing, flow measurement, recording and reporting obligations of this Regulation, in accordance with the General Effluent Monitoring Regulation and in accordance with the sampling principles specified in Schedule D to this Regulation and the analytical principles specified in Schedule E to this Regulation.

(5) Each direct discharger shall carry out the monitoring obligations of this Regulation using the analytical method detection limits specified in column 6 of Schedule 3 to the General Effluent Monitoring Regulation and in Schedule E to this Regulation.

(6) Each direct discharger shall carry out the sampling and analytical obligations in relation to ethylbenzene and di-n-octyl phthalate in accordance with Notes 2 and 3 to the characterization parameters schedule for that discharger's plant.

(7) An obligation on a direct discharger to do a thing under this Regulation is discharged if another person has done it on the direct discharger's behalf.

(8) A reference in the General Effluent Monitoring Regulation to an effluent stream or sampling point of a type listed in Column A is, for the purposes of this Regulation, deemed to be a reference to an effluent stream or sampling point of the type listed opposite it in Column B:

COLUMN A	COLUMN B
Process effluent	Process subcategory effluent
Combined effluent	Final effluent
Once-through cooling water	Cooling water

(9) Each direct discharger shall carry out the monitoring obligations, including the sampling, analysis, flow measurement, recording and reporting obligations of this Regulation in relation to storage site effluent in accordance with the methods specified in the General Effluent Monitoring Regulation in relation to waste disposal site effluent.

(10) Each direct discharger shall collect each sample required to be collected from a process subcategory or final effluent sampling point as a composite sample throughout an operating day in accordance with subsection 3(4) of the General Effluent Monitoring Regulation.

(11) Where a sample is collected from a process subcategory effluent sampling point, a cooling water sampling point or a final effluent sampling point for analysis for parameters in analytical test groups 15 to 17 and 28a, the sample shall consist of a single grab sample.

(12) In the event that, on any day, because of the collection of inspection samples or because of insufficient flow, a direct discharger cannot collect a sufficient volume of sample from a sampling point to perform all of the analyses required to be performed on that day on samples collected from that sampling point, the discharger shall collect a set of samples sufficient to perform all of those analyses from that sampling point on the next operating day on which such collection is possible, and shall perform thereon all of those analyses.

Sampling Points

4.-(1) Each direct discharger shall, by the 8th day of August, 1989, establish a sampling point on each effluent stream named in the site-specific monitoring schedule for that discharger's plant, as follows:

1. A cooling water sampling point on each cooling water effluent stream.

2. An emergency overflow effluent sampling point on each emergency overflow effluent stream.

3. A final effluent sampling point on each final effluent stream.

4. A process subcategory effluent sampling point on each process subcategory effluent stream.

5. A storage site effluent sampling point on each storage site effluent stream.

6. A storm water sampling point on each storm water effluent stream.

7. A waste disposal site effluent sampling point on each waste disposal site effluent stream.

(2) Each direct discharger shall use the sampling points established under subsection (1) for all sampling required by this Regulation, except that a direct discharger may use alternate sampling points where that is acceptable to the Director.

(3) Except as otherwise specifically provided, sets of samples required to be collected under this Regulation need not be collected on the same day.

Characterization and Open Characterization

5.-(1) Each direct discharger shall, if final effluent samples are collected under section 10 in that discharger's plant, collect a set of samples from each final effluent sampling point of that discharger once during each of the months of January, April, July and October, and shall, subject to subsection (11), perform a characterization on each such set.

(2) Each direct discharger shall, if final effluent samples are collected under section 10 in that discharger's plant, collect a set of samples sufficient to perform the analyses required by subsection (3) from each final effluent sampling point of that discharger semi-annually.

(3) Each direct discharger shall analyze each set of samples collected under subsection (2) for the parameters in analytical test groups 24 and 27, as indicated in the characterization parameters schedule for that discharger's plant.

(4) For the purposes of subsection (2), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (2) shall be collected no sooner than 180 days after the previous sampling under subsection (2) from that sampling point.

(5) Each direct discharger shall collect a set of samples from each final effluent sampling point of that discharger once within thirty days after every process change that may adversely affect the quality of the effluent at that point, and shall perform a characterization on each such set.

(6) Each direct discharger shall, if final effluent samples are collected under section 10 in that discharger's plant, collect a set of samples during each of the months of February, May, August and November from each final effluent sampling point of that discharger, and shall perform an open characterization on each such set.

(7) Each direct discharger shall ensure that each collection of samples from a sampling point under subsection (1) is separated by at least fifteen days from each collection of samples from that sampling point under subsection (6).

(8) If final effluent samples are not collected under section 10 in a direct discharger's plant, that discharger shall, for each emergency, maintenance activity or malfunction in respect of which final effluent samples are collected under section 13, on a day on which a final effluent sample is collected under section 13 in respect of that event, collect a set of samples from each final effluent sampling point of that discharger from which samples are collected under section 13 on that day and shall,

(a) perform an open characterization on each such set; and

(b) analyze each such set for the parameters in analytical test groups 24 and 27 as indicated in the characterization parameters schedule for that discharger's plant.

(9) Once in each quarter, each direct discharger shall collect a set of samples from each cooling water sampling point of that discharger and shall, subject to subsection (11), perform a characterization on each such set.

(10) Each set of samples collected under subsection (9) shall be collected on one of the days on which samples are collected under subsection 11(1).

(11) In performing the analyses required by subsections (1) and (9), the direct discharger need not analyze for parameters in analytical test groups 24 and 27 as indicated in the characterization parameters schedule for that discharger's plant.

(12) For the purposes of subsection 4(3) of the General Effluent Monitoring Regulation, samples collected under this section are collected for characterization.

(13) Each set of samples collected under this section shall be collected on an operating day.

Daily Monitoring

6.-(1) During each operating day, each direct discharger shall collect a set of samples sufficient to perform the analyses

required by subsection (2) from each sampling point of that discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "D", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

Thrice-Weekly Monitoring

7.-(1) On three operating days in each week, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (2) from each sampling point of that discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "TW", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

Weekly Monitoring

8.-(1) On one operating day in each week, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (2) from each sampling point of that discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "W", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected under subsection 7(1) from the same sampling point, if a sample is collected from that sampling point under subsection 7(1) in the week.

(4) For the purposes of subsection (1), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (1) shall be collected no sooner than two days after the previous sampling under subsection (1) from that sampling point.

Extended Weekly Monitoring

9.-(1) On one operating day in each week, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (2) from each final effluent sampling point of that discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters in analytical test groups 2, 3, 4a, 5a, 6, 7, 8, 9, 14, 15, 25 and IS1 indicated in the columns marked "D", "TW" and "W", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) For the purposes of subsection (1), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (1) shall be collected no sooner than two days after the previous sampling under subsection (1) from that sampling point.

Monthly Monitoring

10.-(1) On one operating day in each month, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (2) from each process subcategory effluent and final effluent sampling point of that discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "M", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected under subsection 8(1) from the same sampling point, if a sample is collected from that sampling point under subsection 8(1) in the month.

(4) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected under subsection 7(1) from the same sampling point, if a sample is collected from that sampling point under subsection 7(1) in the month.

(5) For the purposes of subsection (1), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (1) shall be collected no

sooner than two weeks after the previous sampling under subsection (1) from that sampling point.

Monthly Monitoring - Cooling Water

11.-(1) On one operating day in each month, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (2) from each cooling water sampling point of that discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "M", for the cooling water effluent stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected under subsection 10(1), if samples are collected under subsection 10(1) in the direct discharger's plant.

Monthly Monitoring - Storm Water

12.-(1) On one operating day in each month in which there is a storm event or a thaw on an operating day, during a storm water discharge related to a storm event or thaw, each direct discharger shall collect a set of samples from each storm water sampling point of that discharger that is affected by the storm event or thaw, sufficient to perform the analyses required by subsection (2).

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "M", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) Where a direct discharger has been unable to collect a set of samples from a storm water sampling point as required by subsection (1) because of insufficient flow, the discharger shall collect a compensating set of samples from that sampling point during the next storm water discharge in respect of which the flow is sufficient and in respect of which a set of samples is not collected under subsection (1) and shall analyze the compensating set for the parameters referred to in subsection (2).

(4) The discharge of storm water referred to in subsection (3) shall be related to a storm event or thaw that affects the sampling point from which the compensating set of samples is collected.

Event-Oriented Monitoring

13.-(1) During each operating day on which process subcategory effluent and final effluent are discharged due to an emergency, a maintenance activity or a malfunction in a direct discharger's plant, each direct discharger shall, during the discharges, collect grab samples sufficient to perform the analyses required by subsection (2) from each affected process subcategory effluent and final effluent sampling point of that discharger.

(2) Each direct discharger shall analyze each grab sample collected under subsection (1) for the parameters indicated in the column marked "event oriented", for the stream from which the grab sample was collected, of the site-specific monitoring schedule for that discharger's plant.

Storage Site Effluent Monitoring

14.-(1) During each discharge of storage site effluent, each direct discharger shall collect a set of samples from each affected storage site effluent sampling point of that discharger sufficient to perform the analyses required by subsection (3).

(2) The collection required by subsection (1) need not occur more frequently than twice in one month, or more frequently than twelve times in one year.

(3) Each direct discharger shall analyze the samples collected under subsection (1) for the parameters indicated in the column marked "event oriented", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

Waste Disposal Site Effluent Monitoring

15.-(1) During each discharge of waste disposal site effluent, each direct discharger shall collect a set of samples from each affected waste disposal site effluent sampling point of that discharger sufficient to perform the analyses required by subsection (3).

(2) The collection required by subsection (1) need not occur more frequently than twice in one month, or more frequently than twelve times in one year.

(3) Each direct discharger shall analyze the samples collected under subsection (1) for the parameters indicated in the column marked "event oriented", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

Emergency Overflow Effluent Monitoring

16.-(1) During each emergency overflow, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (3) from each affected emergency overflow effluent sampling point of that discharger.

(2) Subsection (1) does not apply if the collection of samples would result in danger to health or safety.

(3) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "event oriented", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

Quality Control Monitoring

17.-(1) Once in each month, on a day on which samples are collected under section 10, each direct discharger shall collect a duplicate sample for each sample collected on that day under sections 6 to 8 from the process subcategory and final effluent streams indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant.

(2) Each direct discharger shall analyze each duplicate sample collected under subsection (1) for a sample collected under section 6 for the parameters indicated in the column marked "D", each duplicate sample collected under subsection (1) for a sample collected under section 7 for the parameters indicated in

the column marked "TW", and each duplicate sample collected under subsection (1) for a sample collected under section 8 for the parameters indicated in the column marked "W", for the stream from which the duplicate sample was collected, of the site-specific monitoring schedule for the discharger's plant.

(3) Semi-annually, on a day on which samples are collected under section 10, each direct discharger shall collect a duplicate sample for each sample collected on that day under section 10 from the process subcategory and final effluent streams indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant.

(4) Each direct discharger shall analyze each duplicate sample collected under subsection (3) for the parameters indicated in the column marked "M", for the stream from which the duplicate sample was collected, of the site-specific monitoring schedule for that discharger's plant.

(5) Semi-annually, on a day on which samples are collected under section 11, each direct discharger shall collect a duplicate sample for each sample collected on that day under sections 8 and 11 from the cooling water effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant.

(6) Each direct discharger shall analyze each duplicate sample collected under subsection (5) for a sample collected under section 8 for the parameters indicated in the column marked "W", and each duplicate sample collected under subsection (5) for a sample collected under section 11 for the parameters indicated in the column marked "M", for the stream from which the duplicate sample was collected, of the site-specific monitoring schedule for that discharger's plant.

(7) For the purposes of subsections (3) and (5), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (3) or (5) shall be collected no sooner than 180 days after the previous sampling under subsection (3) or (5) from that sampling point.

(8) Once in respect of each emergency, maintenance activity or malfunction in a direct discharger's plant, on a day on which samples are collected under section 13 in respect of that event, the discharger shall collect a duplicate sample for each sample collected on that day under section 13 from the process subcategory and final effluent streams indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant.

(9) Each direct discharger shall analyze each duplicate sample collected under subsection (8) for the parameters indicated in the column marked "event oriented", for the stream from which the duplicate sample was collected, of the site-specific monitoring schedule for that discharger's plant.

(10) Once in each month, on a day on which samples are collected under subsection (1), each direct discharger shall prepare, process and return to the laboratory a travelling blank sample for each sample collected on that day under sections 6 to 8 from the process subcategory and final effluent streams indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant.

(11) Each direct discharger shall analyze each travelling blank sample prepared under subsection (10) for a sample collected under section 6 for the parameters indicated in the column marked "D", each travelling blank sample prepared under subsection (10) for a sample collected under section 7 for the parameters indicated in the column marked "TW", and each travelling blank sample prepared under subsection (10) for a sample collected under section 8 for the parameters indicated in the column marked "W", for the stream from which the sample for which the travelling blank sample was prepared was collected, of the site-specific monitoring schedule for that discharger's plant.

(12) Each direct discharger shall prepare, process and return to the laboratory a travelling blank sample for each duplicate sample collected under subsection (3), and shall analyze each travelling blank sample for the parameters indicated in the column marked "M", for the stream from which the duplicate sample was collected, of the site-specific monitoring schedule for that discharger's plant.

(13) Semi-annually, on a day on which samples are collected under subsection (5), each direct discharger shall prepare, process and return to the laboratory a travelling blank sample for each sample collected on that day under sections 8 and 11 from the cooling water effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant.

(14) Each direct discharger shall analyze each travelling blank sample prepared under subsection (13) for a sample collected under section 8 for the parameters indicated in the column marked "W", and each travelling blank sample prepared under subsection (13) for a sample collected under section 11 for the parameters indicated in the column marked "M", for the stream from which the sample for which the travelling blank sample was

prepared was collected, of the site-specific monitoring schedule for that discharger's plant.

(15) Each direct discharger shall prepare, process and return to the laboratory a travelling blank sample for each duplicate sample collected under subsection (8), and shall analyze each travelling blank sample for the parameters indicated in the column marked "event oriented", for the stream from which the duplicate sample was collected, of the site-specific monitoring schedule for that discharger's plant.

(16) Despite subsections (11), (12), (14) and (15), a direct discharger need not analyze a travelling blank sample for parameters in analytical test groups 3 and 8 as indicated in the characterization parameters schedule for that discharger's plant.

(17) Once in each month, on a day on which samples are collected under subsection (1), each direct discharger shall prepare, process and return to the laboratory a travelling spiked blank sample for each sample collected on that day under sections 6 to 8 from the process subcategory and final effluent streams indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant.

(18) Each direct discharger shall analyze each travelling spiked blank sample prepared under subsection (17) for a sample collected under section 6 for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "D", each travelling spiked blank sample prepared under subsection (17) for a sample collected under section 7 for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "TW", and each travelling spiked blank sample prepared under subsection (17) for a sample collected under section 8 for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "W", for the stream from which the sample for which the travelling blank sample was prepared was collected, of the site-specific monitoring schedule for that discharger's plant.

(19) Each direct discharger shall prepare, process and return to the laboratory a travelling spiked blank sample for each duplicate sample collected under subsection (3), and shall analyze each travelling spiked blank sample for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "M", for the stream from which the duplicate sample was collected, of the site-specific monitoring schedule for that discharger's plant.

(20) Each direct discharger shall prepare, process and return to the laboratory a travelling spiked blank sample for

each duplicate sample collected under subsection (5), and shall analyze each travelling spiked blank sample for the parameters in analytical test groups 16 to 20, 23 and 26 as indicated in the characterization parameters schedule for that discharger's plant.

(21) Each direct discharger shall prepare, process and return to the laboratory a travelling spiked blank sample for each duplicate sample collected under subsection (8), and shall analyze each travelling spiked blank sample for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "event oriented", for the stream from which the duplicate sample was collected, of the site-specific monitoring schedule for that discharger's plant.

(22) Each direct discharger shall prepare each travelling spiked blank sample required to be analyzed by subsections (18) to (21) with a standard solution containing at least the parameters to be analyzed for, and shall record the concentration of each such parameter.

Toxicity Testing

18.-(1) Each direct discharger shall, if final effluent samples are collected under section 10 in that discharger's plant, collect a sample from each final effluent sampling point of that discharger once in each month on the same day as a set of samples is collected under section 10 from that sampling point, and shall perform a fish toxicity test on each such sample.

(2) If the tests performed under subsection (1) on all samples from a final effluent sampling point in three consecutive months result in mortality for no more than two out of ten fish at all effluent concentrations, a direct discharger may thereafter perform the tests required by subsection (1), on the samples from that sampling point, on 100 per cent undiluted samples only.

(3) If a test performed under subsection (2) on any sample from a final effluent sampling point results in mortality for more than two out of ten fish, subsection (2) ceases to apply and continues not to apply to samples from that sampling point, until the tests performed under subsection (1) on all samples from that sampling point in a further three consecutive months result in mortality for no more than two out of ten fish at all effluent concentrations.

(4) Each direct discharger shall, if final effluent samples are collected under section 10 in that discharger's plant, collect a sample from each final effluent sampling point of tha

discharger once in each month, on the same day as the sample is collected under subsection (1) from that sampling point, and shall perform a Daphnia magna acute lethality toxicity test on each such sample.

(5) Each direct discharger shall collect each sample required by subsection (4) together in the same container or set of containers with the sample collected under subsection (1) from the same sampling point.

(6) If final effluent samples are not collected under section 10 in a direct discharger's plant, that discharger shall, for each emergency, maintenance activity or malfunction in respect of which final effluent samples are collected under section 13, on a day on which a final effluent sample is collected under section 13 in respect of that event, collect a sample from each final effluent sampling point of that discharger from which samples are collected under section 13 on that day, and shall perform a fish toxicity test and a Daphnia magna acute lethality toxicity test on each such sample.

(7) Each direct discharger shall collect a sample from each cooling water sampling point of that discharger once in each quarter, on the same day as a set of samples is collected under section 11 from that sampling point, and shall perform a fish toxicity test and a Daphnia magna acute lethality toxicity test on each such sample.

Flow Measurement

19.-(1) Each direct discharger shall continuously measure and record the flow of each process subcategory effluent stream of that discharger at a location or set of locations representative of the flow at the sampling point established for that stream.

(2) Subject to subsection (3), each direct discharger shall continuously measure and record the flow of each final effluent stream of that discharger at a location or set of locations representative of the flow at the sampling point established for that stream.

(3) Where a direct discharger satisfies the Director that the continuous measurement of the flow of a final effluent stream would be unusually difficult, and where the direct discharger continuously measures the flow of each process subcategory effluent stream that contributes to that final effluent stream, the direct discharger may use the flow information from each process subcategory effluent stream that contributes to that

final effluent stream to calculate the flow of that final effluent stream, and shall record the calculated flow.

(4) For the purposes of subsection (3), each direct discharger shall calculate the flow of the final effluent stream using methods and devices capable of accuracy to within plus or minus 20 per cent of the actual flow.

(5) Where the flow of a process subcategory or final effluent stream cannot be continuously measured on any operating day because of equipment malfunction and all reasonable care has been taken to avoid and correct the malfunction, the direct discharger may fulfill the continuous flow measurement requirements of subsections (1), (2) and (3) by estimating the total volume of effluent discharged on that day from that stream, and recording that estimate.

(6) Each direct discharger shall at the time of each sampling under this Regulation from a cooling water effluent stream of that discharger, measure or estimate the flow of that stream at a location or set of locations representative of the flow at the sampling point established for that stream and shall record the measured or estimated data.

(7) Each direct discharger shall measure or estimate the duration and approximate volume of every discharge of storm water, waste disposal site effluent, storage site effluent, and emergency overflow effluent in respect of which the discharger has taken a sample under this Regulation and shall record the measured or estimated data.

(8) Subsection 6(6) of the General Effluent Monitoring Regulation does not apply in respect of measurements or estimates of the volume of discharges of storm water.

(9) Subject to subsection (10), each direct discharger shall demonstrate by calibration, performed no earlier than 365 days before the filing of this Regulation and no later than thirty days before the first use of the device for the purposes of this Regulation, that each primary flow measuring device used to measure the flow of a process subcategory effluent stream for the purposes of this Regulation, meets the accuracy requirement of subsection 6(1) of the General Effluent Monitoring Regulation.

(10) Where a direct discharger demonstrates to the Director, by means of a certified report of a registered professional engineer of the Province of Ontario, that a primary flow measuring device has been designed and installed in accordance with the standards of a national or international standards setting organization, that primary flow measuring device will be

deemed to have met the accuracy requirement of subsection 6(1) of the General Effluent Monitoring Regulation.

(11) Subject to subsection (12), each direct discharger shall demonstrate by calibration, performed no earlier than 365 days before the filing of this Regulation and no later than thirty days before the first use of the device for the purposes of this Regulation, that each flow measuring device used to measure the flow of a final effluent stream for the purposes of this Regulation, meets the accuracy requirement of subsection 6(3) of the General Effluent Monitoring Regulation.

(12) Where a direct discharger demonstrates to the Director, by means of a certified report of a registered professional engineer of the Province of Ontario, that a flow measurement device has been designed and installed in accordance with the standards of a national or international standards setting organization, that flow measurement device will be deemed to have met the accuracy requirement of subsection 6(3) of the General Effluent Monitoring Regulation.

Reporting

20.-(1) Each direct discharger shall, by the 8th day of August, 1989, submit an initial report to the Director in respect of that direct discharger's plant.

(2) Each direct discharger shall ensure that the plans submitted under paragraph 1 of subsection 7(1) of the General Effluent Monitoring Regulation identify by type each effluent stream named in the site-specific monitoring schedule for that discharger's plant.

(3) Each direct discharger shall notify the Director in writing of any changes in respect of the information submitted under subsections (1) and (2), within thirty days after the end of the month during which the change occurs.

(4) Each direct discharger shall notify the Director in writing of any change of name or ownership of its plant occurring after the 21st day of April, 1989, within thirty days after this Regulation comes into force or within thirty days after any such change.

(5) Each direct discharger shall, no later than thirty days after the event, notify the Director in writing of any process change that occurs after the day this Regulation comes into force and that may adversely affect the quality of the effluent in any

effluent stream named in the site-specific monitoring schedule for that discharger's plant.

(6) Each direct discharger shall, no later than thirty days before the event or thirty days after this Regulation comes into force, notify the Director in writing of any redirection of or change in the type of an effluent stream named in the site-specific monitoring schedule for that discharger's plant that occurs after the day this Regulation comes into force.

(7) For the purposes of subsections (2) and (6), effluent stream types are the types mentioned in subsection 4(1).

(8) Despite subsection (6), a direct discharger need not notify the Director of any redirection of an effluent stream to an emergency overflow effluent stream.

(9) Each direct discharger shall report to the Director, on a floppy diskette in a format acceptable to the Director and by hard copy generated from that diskette and signed by the discharger, the results of all analyses performed by or on behalf of the discharger under sections 5 to 17 of this Regulation and under subsection 4(18) of the General Effluent Monitoring Regulation, including the data recorded under subsection 17(22) and all positive numerical values at or above the analytical method detection limits calculated by the laboratory performing the analysis, together with the date on which each sample was collected and the method used to collect each sample.

(10) For the purpose of subsection (9), each direct discharger shall report the results of analyses of samples collected for analysis for parameters in analytical test groups 2, 3, 4a, 4b, 5a, 5b, 6, 7, 8, 11, 14, 15, 25 or IS1 within sixty days after the last day of the week in which the sample was collected, and shall report the results of samples collected for analysis for parameters in analytical test groups 9, 10, 12, 16, 17, 19, 20, 23, 24, 26, 27, 28a, 28b or 29 within ninety days after the last day of the week in which the sample was collected.

(11) Each direct discharger shall, in accordance with subsection 7(6) of the General Effluent Monitoring Regulation, report to the Director the toxicity test information obtained under section 18, together with the date on which each sample was collected under section 18.

(12) For the purpose of subsection (11), each direct discharger shall report the toxicity test information obtained in respect of each sample collected under section 18 within sixty days after the last day of the week in which the sample was collected, on a floppy diskette in a format acceptable to the

Director and by hard copy generated from that diskette and signed by the discharger.

(13) Each direct discharger shall submit to the Director documentation of any calibration or certification of accuracy required by subsections 19(9) to (12) of this Regulation and subsection 6(2) of the General Effluent Monitoring Regulation, no later than thirty days before the first use of the device for the purposes of this Regulation.

(14) Each direct discharger shall, with respect to each method, device or calculation for flow measurement or estimation to be used in meeting the requirements of this Regulation, other than methods, devices or calculations to be used to measure or estimate the volume of discharges of storm water, submit to the Director, no later than thirty days before the first use of the method, device or calculation for the purposes of this Regulation, documentation sufficient to satisfy the Director that the method, device or calculation complies with the accuracy requirements of subsection 6(6) of the General Effluent Monitoring Regulation.

(15) Each direct discharger shall, no later than the 1st day of October, 1989, submit to the Director a description of the methods, devices or calculations to be used in measuring or estimating the volume of discharges of storm water under subsection 19(7), together with an assessment of the accuracy of those methods, devices or calculations.

(16) Each direct discharger shall submit to the Director a description of any methods, devices or calculations used in measuring or estimating the volume of a discharge of emergency overflow effluent under subsection 19(7), together with an assessment of the accuracy of those methods, devices or calculations, within sixty days after each such measurement or estimation.

(17) Each direct discharger shall submit to the Director documentation of each calibration performed under subsection 6(7) of the General Effluent Monitoring Regulation, within thirty days after the calibration was performed or within thirty days after this Regulation comes into force.

(18) Each direct discharger shall report to the Director the flow measurement information required to be recorded under subsections 19(1) to (6) in respect of each process subcategory effluent stream, final effluent stream and cooling water effluent stream of that discharger and the date on which each flow was measured.

(19) Each direct discharger shall submit to the Director a description of any methods, devices or calculations used in estimating the volume of a discharge of effluent under subsection 19(5), together with an assessment of the accuracy of those methods, devices or calculations, within sixty days after each such estimation.

(20) Each direct discharger shall report to the Director the information required to be recorded under subsection 19(7), as well as the date and location of each discharge and overflow measured or estimated under subsection 19(7).

(21) Each direct discharger shall report in writing to the Director the date, approximate duration and amount of rainfall of each storm event in respect of which a sample is collected under section 12, within sixty days after each such storm event.

(22) Each direct discharger shall submit to the Director, at least thirty days before the collection of the first sample in each month under sections 5, 10 and 11, a schedule of intended sampling dates by sampling point location for all sampling to be done under sections 5, 10 and 11.

(23) Within thirty days after the end of each quarter, each direct discharger shall submit a report to the Director summarizing the quantities of chemicals added to each cooling water effluent stream of that discharger from which samples were collected under section 11 in the quarter, and stating the frequency of those additions.

(24) Each direct discharger shall keep records of all sampling required by this Regulation, including, for each sample, the date of collection, the sampling procedures used, the amount of sample dilution by preservative if dilution exceeds 1 per cent, and any incident likely to affect an analytical result.

(25) Each direct discharger shall record, for each grab sample collected under this Regulation, the time at which the sample was collected.

(26) Each direct discharger shall record the results of all maintenance and calibration performed on sampling equipment used in meeting the requirements of this Regulation.

(27) Each direct discharger shall, no later than the 1st day of December, 1990, submit a report to the Director describing the variation in daily flow, for the period beginning November 1st, 1989 and ending October 31st, 1990, of each process subcategory effluent stream from which samples are collected under this

Regulation other than by means described in clauses 3(4)(a), (b) and (e) of the General Effluent Monitoring Regulation.

(28) The report referred to in subsection (27) shall include the raw data and calculation methods used to produce the report.

(29) Each direct discharger shall keep records of all analytical methods used in meeting the requirements of this Regulation.

(30) Each direct discharger shall submit a report to the Director detailing the date, duration and cause of each sampling, toxicity testing, analytical and flow measurement malfunction or problem that interferes with fulfilling the requirements of this Regulation, together with a description of any remedial action taken, within thirty days after the end of the month in which the malfunction or problem occurs.

(31) Each direct discharger shall keep all records and reports required by this Regulation to be kept or made for a period of two years following the date of the last report submitted to the Director under this section.

Commencement

21.-(1) This Regulation, except sections 5 to 18 and subsections 19(1) to (8), comes into force on the day on which it is filed.

(2) Sections 5 to 8, sections 10 to 18, and subsections 19(1) to (8) come into force on the 1st day of November, 1989.

(3) Section 9 comes into force on the 1st day of November, 1990.

Revocation

22.-(1) Sections 5 to 8, sections 10 to 18, and subsections 19(1) and (6) to (12) are revoked on the 1st day of November, 1990.

(2) Section 9 and subsections 19(2) to (5) are revoked on the 1st day of May, 1991.

LEGEND FOR SCHEDULES

ATG -	Analytical Test Group
D -	Daily
TW -	Thrice weekly
W -	Weekly
M -	Monthly
N/A -	Not Applicable
4AAP -	4-amino antipyrine method

SCHEDULE A - CHARACTERIZATION PARAMETERS SCHEDULE

The following list of parameters apply to: Algoma Steel
Dofasco
Stelco Hilton
Stelco Lake Erie Works

ANALYTICAL TEST GROUP *	NAME	PARAMETERS	CAS #s
2	Total cyanide	Total cyanide	57-12-5
3	Hydrogen ion (pH)	Hydrogen ion (pH)	N/A
4a	Nitrogen	Ammonia plus Ammonium	N/A
		Total Kjeldahl nitrogen	N/A
4b		Nitrate + Nitrite	N/A
5a	Organic carbon	Dissolved organic carbon (DOC)	N/A
5b		Total organic carbon (TOC) (NOTE 1)	N/A
6	Total phosphorus	Total phosphorus	7723-14-0
7	Specific conductance	Specific conductance	N/A
8	Suspended solids	Total suspended solids (TSS)	N/A
		Volatile suspended solids (VSS)	N/A
9	Total metals	Aluminum	7429-90-5
		Beryllium	7440-41-7
		Cadmium	7440-43-9
		Chromium	7440-47-3
		Cobalt	7440-48-4
		Copper	7440-50-8
		Lead	7439-92-1
		Molybdenum	7439-98-7
		Nickel	7440-02-0
		Silver	7440-22-4
		Thallium	7440-28-0
		Vanadium	7440-62-2
		Zinc	7440-66-6
10	Hydrides	Antimony	7440-36-0
		Arsenic	7440-38-2
		Selenium	7782-49-2
11	Chromium (Hexavalent)	Chromium (Hexavalent)	7440-47-3
12	Mercury	Mercury	7439-97-6

SCHEDULE A - CHARACTERIZATION PARAMETERS SCHEDULE

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
14	Phenolics (4AAP)	Phenolics (4AAP)	N/A
15	Sulphide	Sulphide	N/A
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane	79-34-5
		1,1,2-Trichloroethane	79-00-5
		1,1-Dichloroethane	75-34-3
		1,1-Dichloroethylene	75-35-4
		1,2-Dichlorobenzene	95-50-1
		1,2-Dichloroethane (Ethylene dichloride)	107-06-2
		1,2-Dichloropropane	78-87-5
		1,3-Dichlorobenzene	541-73-1
		1,4-Dichlorobenzene	106-46-7
		Bromoform	75-25-2
		Bromomethane	74-83-9
		Carbon tetrachloride	56-23-5
		Chlorobenzene	108-90-7
		Chloroform	67-66-3
		Chloromethane	74-87-3
		Cis-1,3-Dichloropropylene	10061-01-5
		Dibromochloromethane	124-48-1
		Ethylene dibromide	106-93-4
		Methylene chloride	75-09-2
		Tetrachloroethylene (Perchloroethylene)	127-18-4
		Trans-1,2-Dichloroethylene	156-60-5
		Trans-1,3-Dichloropropylene	10061-02-6
		Trichloroethylene	79-01-6
		Trichlorofluoromethane	75-69-4
		Vinyl chloride (Chloroethylene)	75-01-4
17	Volatiles, Non-Halogenated	Benzene	71-43-2
		Ethylbenzene (NOTE 2)	100-41-4
		Styrene	100-42-5
		Toluene	108-88-3
		o-Xylene	95-47-6
		m-Xylene and p-Xylene	108-38-3
			& 106-42-3
19	Extractables, Base Neutral	Acenaphthene	83-32-9
		5-nitro Acenaphthene	602-87-9
		Acenaphthylene	208-96-8
		Anthracene	120-12-7
		Benz(a)anthracene	56-55-3
		Benzo(a)pyrene	50-32-8
		Benzo(b)fluoranthene	205-99-2
		Benzo(g,h,i)perylene	191-24-2

SCHEDULE A - CHARACTERIZATION PARAMETERS SCHEDULE

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
19	Extractables, Base Neutral (continued)	Benzo(k)fluoranthene	207-08-9
		Camphene	79-92-5
		1-Chloronaphthalene	90-13-1
		2-Chloronaphthalene	91-58-7
		Chrysene	218-01-9
		Dibenz(a,h)anthracene	53-70-3
		Fluoranthene	206-44-0
		Fluorene	86-73-7
		Indeno(1,2,3-cd)pyrene	193-39-5
		Indole	120-72-9
		1-Methylnaphthalene	90-12-0
		2-Methylnaphthalene	91-57-6
		Naphthalene	91-20-3
		Perylene	198-55-0
		Phenanthrene	85-01-8
		Pyrene	129-00-0
		Benzyl butyl phthalate	85-68-7
		Bis(2-ethylhexyl) phthalate	117-81-7
		Di-n-butylphthalate	84-74-2
		Di-n-octyl phthalate (NOTE 3)	117-84-0
		4-Bromophenyl phenyl ether	101-55-3
		4-Chlorophenyl phenyl ether	7005-72-3
		Bis(2-chloroisopropyl)ether	108-60-1
		Bis(2-chloroethyl)ether	111-44-4
		2,4-Dinitrotoluene	121-14-2
		2,6-Dinitrotoluene	606-20-2
		Bis(2-chloroethoxy)methane	111-91-1
		Diphenylamine	122-39-4
		N-Nitrosodiphenylamine	86-30-6
		N-Nitrosodi-n-propylamine	621-64-7
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol	4901-51-3
		2,3,4,6-Tetrachlorophenol	58-90-2
		2,3,5,6-Tetrachlorophenol	935-95-5
		2,3,4-Trichlorophenol	15950-66-0
		2,3,5-Trichlorophenol	933-78-8
		2,4,5-Trichlorophenol	95-95-4
		2,4,6-Trichlorophenol	88-06-2
		2,4-Dimethyl phenol	105-67-9
		2,4-Dinitrophenol	51-28-5
		2,4-Dichlorophenol	120-83-2
		2,6-Dichlorophenol	87-65-0
		4,6-Dinitro-o-cresol	534-52-1
		2-Chlorophenol	95-57-8
		4-Chloro-3-methylphenol	59-50-7
		4-Nitrophenol	100-02-7

SCHEDULE A - CHARACTERIZATION PARAMETERS SCHEDULE

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
20	Extractables, Acid (Phenolics) (continued)	m-Cresol	108-39-4
		o-Cresol	95-48-7
		p-Cresol	106-44-5
		Pentachlorophenol	87-86-5
		Phenol	108-95-2
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene	634-66-2
		1,2,3,5-Tetrachlorobenzene	634-90-2
		1,2,4,5-Tetrachlorobenzene	95-94-3
		1,2,3-Trichlorobenzene	87-61-6
		1,2,4-Trichlorobenzene	120-82-1
		2,4,5-Trichlorotoluene	6639-30-1
		Hexachlorobenzene	118-74-1
		Hexachlorobutadiene	87-68-3
		Hexachlorocyclopentadiene	77-47-4
		Hexachloroethane	67-72-1
		Octachlorostyrene	29082-74-4
		Pentachlorobenzene	608-93-5
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6
		Octachlorodibenzo-p-dioxin	326-86-7
		Octachlorodibenzofuran	Unavailable
		Total heptachlorinated dibenzo-p-dioxins	Unavailable
		Total heptachlorinated dibenzofurans	Unavailable
		Total hexachlorinated dibenzo-p-dioxins	34465-46-9
		Total hexachlorinated dibenzofurans	Unavailable
		Total pentachlorinated dibenzo-p-dioxins	Unavailable
		Total pentachlorinated dibenzofurans	Unavailable
		Total tetrachlorinated dibenzo-p-dioxins	Unavailable
		Total tetrachlorinated dibenzofurans	Unavailable
25	Solvent Extractables	Oil and grease	
26	Fatty and Resin Acids	Abietic acid	514-10-3
		Chlorodehydroabietic acid	61996-36-7
		Dehydroabietic acid	1740-19-8
		Isopimaric acid	5835-26-7
		Levopimaric acid	79-54-9
		Neoabietic acid	471-77-2
		Oleic acid	112-80-1
		Pimaric acid	127-27-5
27	PCBs (Total)	PCBs (Total)	Unavailable

SCHEDULE A - CHARACTERIZATION PARAMETERS SCHEDULE

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s

NOTE 1: Total organic carbon is to be analyzed only if the total suspended solids concentration exceeds 15 mg/L.

NOTE 2: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 17 in Schedule 2 and Part B of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.6 µg/L.

NOTE 3: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and Part B of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 2.0 µg/L.

SCHEDULE B - CHARACTERIZATION PARAMETERS SCHEDULES

The following list of parameters apply to: Atlas Specialty Steel
Ivaco Rolling Mills
Lake Ontario Steel Division of CO - Steel Inc.

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
3	Hydrogen ion (pH)	Hydrogen ion (pH)	N/A
4a	Nitrogen	Ammonia plus Ammonium	N/A
		Total Kjeldahl nitrogen	N/A
4b		Nitrate + Nitrite	N/A
5a	Organic carbon	Dissolved organic carbon (DOC)	N/A
5b		Total organic carbon (TOC) (NOTE 1)	N/A
6	Total phosphorus	Total phosphorus	7723-14-0
7	Specific conductance	Specific conductance	N/A
8	Suspended solids	Total suspended solids (TSS)	N/A
		Volatile suspended solids (VSS)	N/A
9	Total metals	Aluminum	7429-90-5
		Beryllium	7440-41-7
		Cadmium	7440-43-9
		Chromium	7440-47-3
		Cobalt	7440-48-4
		Copper	7440-50-8
		Lead	7439-92-1
		Molybdenum	7439-98-7
		Nickel	7440-02-0
		Silver	7440-22-4
		Thallium	7440-28-0
		Vanadium	7440-62-2
		Zinc	7440-66-6
10	Hydrides	Antimony	7440-36-0
		Arsenic	7440-38-2
		Selenium	7782-49-2
11	Chromium (Hexavalent)	Chromium (Hexavalent)	7440-47-3
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane	79-34-5
		1,1,2-Trichloroethane	79-00-5
		1,1-Dichloroethane	75-34-3
		1,1-Dichloroethylene	75-35-4

SCHEDULE B - CHARACTERIZATION PARAMETERS SCHEDULES

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
16	Volatiles, Halogenated (continued)	1,2-Dichlorobenzene	95-50-1
		1,2-Dichloroethane (Ethylene dichloride)	107-06-2
		1,2-Dichloropropane	78-87-5
		1,3-Dichlorobenzene	541-73-1
		1,4-Dichlorobenzene	106-46-7
		Bromoform	75-25-2
		Bromomethane	74-83-9
		Carbon tetrachloride	56-23-5
		Chlorobenzene	108-90-7
		Chloroform	67-66-3
		Chloromethane	74-87-3
		Cis-1,3-Dichloropropylene	10061-01-5
		Dibromochloromethane	124-48-1
		Ethylene dibromide	106-93-4
		Methylene chloride	75-09-2
		Tetrachloroethylene (Perchloroethylene)	127-18-4
		Trans-1,2-Dichloroethylene	156-60-5
		Trans-1,3-Dichloropropylene	10061-02-6
		Trichloroethylene	79-01-6
		Trichlorofluoromethane	75-69-4
		Vinyl chloride (Chloroethylene)	75-01-4
17	Volatiles, Non-Halogenated	Benzene	71-43-2
		Ethylbenzene (NOTE 2)	100-41-4
		Styrene	100-42-5
		Toluene	108-88-3
		o-Xylene	95-47-6
		m-Xylene and p-Xylene	108-38-3
			& 106-42-3
19	Extractables, Base Neutral	Acenaphthene	83-32-9
		5-nitro Acenaphthene	602-87-9
		Acenaphthylene	208-96-8
		Anthracene	120-12-7
		Benz(a)anthracene	56-55-3
		Benzo(a)pyrene	50-32-8
		Benzo(b)fluoranthene	205-99-2
		Benzo(g,h,i)perylene	191-24-2
		Benzo(k)fluoranthene	207-08-9
		Camphene	79-92-5
		1-Chloronaphthalene	90-13-1
		2-Chloronaphthalene	91-58-7
		Chrysene	218-01-9
		Dibenz(a,h)anthracene	53-70-3
		Fluoranthene	206-44-0
		Fluorene	86-73-7

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
19	Extractables, Base Neutral (continued)	Indeno(1,2,3-cd)pyrene	193-39-5
		Indole	120-72-9
		1-Methylnaphthalene	90-12-0
		2-Methylnaphthalene	91-57-6
		Naphthalene	91-20-3
		Perylene	198-55-0
		Phenanthrene	85-01-8
		Pyrene	129-00-0
		Benzyl butyl phthalate	85-68-7
		Bis(2-ethylhexyl) phthalate	117-81-7
		Di-n-butyl phthalate	84-74-2
		Di-n-octyl phthalate (NOTE 3)	117-84-0
		4-Bromophenyl phenyl ether	101-55-3
		4-Chlorophenyl phenyl ether	7005-72-3
		Bis(2-chloroisopropyl)ether	108-60-1
		Bis(2-chloroethyl)ether	111-44-4
		2,4-Dinitrotoluene	121-14-2
		2,6-Dinitrotoluene	606-20-2
		Bis(2-chloroethoxy)methane	111-91-1
		Diphenylamine	122-39-4
		N-Nitrosodiphenylamine	86-30-6
		N-Nitrosodi-n-propylamine	621-64-7
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol	4901-51-3
		2,3,4,6-Tetrachlorophenol	58-90-2
		2,3,5,6-Tetrachlorophenol	935-95-5
		2,3,4-Trichlorophenol	15950-66-0
		2,3,5-Trichlorophenol	933-78-8
		2,4,5-Trichlorophenol	95-95-4
		2,4,6-Trichlorophenol	88-06-2
		2,4-Dimethyl phenol	105-67-9
		2,4-Dinitrophenol	51-28-5
		2,4-Dichlorophenol	120-83-2
		2,6-Dichlorophenol	87-65-0
		4,6-Dinitro-o-cresol	534-52-1
		2-Chlorophenol	95-57-8
		4-Chloro-3-methylphenol	59-50-7
		4-Nitrophenol	100-02-7
		m-Cresol	108-39-4
		o-Cresol	95-48-7
		p-Cresol	106-44-5
		Pentachlorophenol	87-86-5
		Phenol	108-95-2

SCHEDULE B - CHARACTERIZATION PARAMETERS SCHEDULES

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene	634-66-2
		1,2,3,5-Tetrachlorobenzene	634-90-2
		1,2,4,5-Tetrachlorobenzene	95-94-3
		1,2,3-Trichlorobenzene	87-61-6
		1,2,4-Trichlorobenzene	120-82-1
		2,4,5-Trichlorotoluene	6639-30-1
		Hexachlorobenzene	118-74-1
		Hexachlorobutadiene	87-68-3
		Hexachlorocyclopentadiene	77-47-4
		Hexachloroethane	67-72-1
		Octachlorostyrene	29082-74-4
		Pentachlorobenzene	608-93-5
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6
		Octachlorodibenzo-p-dioxin	326-88-7
		Octachlorodibenzofuran	Unavailable
		Total heptachlorinated dibenzo-p-dioxins	Unavailable
		Total heptachlorinated dibenzofurans	Unavailable
		Total hexachlorinated dibenzo-p-dioxins	34465-46-8
		Total hexachlorinated dibenzofurans	Unavailable
		Total pentachlorinated dibenzo-p-dioxins	Unavailable
		Total pentachlorinated dibenzofurans	Unavailable
		Total tetrachlorinated dibenzo-p-dioxins	Unavailable
		Total tetrachlorinated dibenzofurans	Unavailable
25	Solvent Extractables	Oil and grease	
27	PCBs (Total)	PCBs (Total)	Unavailable

NOTE 1: Total organic carbon is to be analyzed only if the total suspended solids concentration exceeds 15 mg/L.

NOTE 2: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 17 in Schedule 2 and Part B of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.6 µg/L.

NOTE 3: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and Part B of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 2.0 µg/L.

SCHEDULE C - ANALYTICAL TEST GROUP NUMBERS AND PARAMETERS FOR OPEN CHARACTERIZATION

	ANALYTICAL TEST GROUP NAME	PARAMETERS	CAS #s
28a	Open Characterization - Volatiles	An extension of ATGs 16, 17	
28b	Open Characterization - Extractables	An extension of ATGs 19, 20, 23	
29	Open Characterization - Elemental	Aluminum	7429-90-5
		Antimony	7440-36-0
		Arsenic	7440-38-2
		Barium	7440-39-3
		Beryllium	7440-41-7
		Bismuth	7440-69-9
		Boron	7440-42-8
		Cadmium	7440-43-9
		Calcium	7440-70-2
		Cerium	7440-45-1
		Cesium	7440-46-2
		Chromium	7440-47-3
		Cobalt	7440-48-4
		Copper	7440-50-8
		Dysprosium	7429-91-6
		Erbium	7440-52-0
		Europium	7440-53-1
		Gadolinium	7440-54-2
		Gallium	7440-55-3
		Germanium	7440-56-4
		Gold	7440-57-5
		Hafnium	7440-58-6
		Holmium	7440-60-0
		Indium	7440-74-6
		Iridium	7439-88-5
		Iron	7439-89-6
		Lanthanum	7439-91-0
		Lead	7439-92-1
		Lithium	7439-93-2
		Lutetium	7439-94-3
		Magnesium	7439-95-4
		Manganese	7439-96-5
		Mercury	7439-97-6
		Molybdenum	7439-98-7
		Neodymium	7440-00-8
		Nickel	7440-02-0
		Niobium	7440-03-1
		Osmium	7440-04-2
		Palladium	7440-05-3
		Phosphorus	7723-14-0
		Platinum	7440-06-4
		Potassium	7440-09-7

SCHEDULE C - ANALYTICAL TEST GROUP NUMBERS AND PARAMETERS FOR OPEN CHARACTERIZATION

	ANALYTICAL TEST GROUP NAME	PARAMETERS	CAS #s
29	Open Characterization - Elemental (continued)	Praseodymium	7440-10-0
		Rhenium	7440-15-5
		Rhodium	7440-16-6
		Rubidium	7440-17-7
		Ruthenium	7440-18-8
		Samarium	7440-19-9
		Scandium	7440-20-2
		Selenium	7782-49-2
		Silicon	7440-21-3
		Silver	7440-22-4
		Sodium	7440-02-35
		Strontium	7440-24-6
		Sulfur	7704-34-9
		Tantalum	7440-25-7
		Tellurium	13494-80-9
		Terbium	7440-27-9
		Thallium	7440-28-0
		Thorium	7440-29-1
		Thulium	7440-30-4
		Tin	7440-31-5
		Titanium	7440-32-6
		Tungsten	7440-33-7
		Uranium	7440-61-1
		Vanadium	7440-62-2
		Ytterbium	7440-64-4
		Yttrium	7440-65-5
		Zinc	7440-66-6
		Zirconium	7440-67-7

SCHEDULE D - SAMPLING PRINCIPLES

Column 1 ANALYTICAL TEST GROUP	Column 2 LABORATORY SAMPLE CONTAINER	Column 3 LABORATORY CONTAINER PRE-TREATMENT	Column 4 TEST SPECIFIC SAMPLING PRECAUTIONS	Col. 5 MIN. SAM. VOL.	Column 6 PRESERVATION METHOD	Column 7 MAX. STORAGE TIME (DAYS)
Fatty and Resin Acids						
26	Amber glass or fluorocarbon resin with fluorocarbon resin lined cap.	If pre-treatment necessary: Bottle: Sequence of extensive washing/hot water, detergent, water, distilled water. Bake at 300° C for 8 h minimum or 3 rinses with pesticide grade or distilled in glass hexane and dichloromethane. Cap: no pre-treatment.	Contact surfaces must be glass, fluorocarbon resin or stainless steel.	800mL	None	7
Iron						
1S1	Sample containers and caps/ liners must be composed only of one or more of the following materials: fluorocarbon resin, polyethylene terephthalate, glass, polystyrene, polypropylene, high or low density polyethylene. Metallic foil should not be used.	If pre-treatment necessary, soak overnight in a 5% solution of nitric acid (HNO_3), followed by several rinses in distilled water.	If sample is high (>5%) in hydrocarbons or organic solvents, use glass or fluorocarbon resin sample container only.	100mL	Add nitric acid (HNO_3) (containing <1 mg/L of all analytes) to lower pH to <2.	30

SCHEDULE E - ANALYTICAL PRINCIPLES & ANALYTICAL METHOD DETECTION LIMITS

Column 1 ANALYTICAL TEST GROUP #	Column 2 PARAMETERS CONVENTIONAL AND METAL PARAMETERS	Column 3 SAMPLE PREPARATION METHOD PRINCIPLES	Column 4 INSTRUMENTAL MEASUREMENT METHOD PRINCIPLES	Column 5 ALTERNATE INSTRUMENTAL MEASUREMENT METHOD PRINCIPLES	Column 6 ANALYTICAL METHOD DETECTION LIMITS
26	Abietic acid	pH adjusted to 9 Liquid/liquid extraction with methyl t-butyl ether Methylation	Gas Chromatography/ Flame Ionization Detection Capillary column	N/A	5.0 µg/L
	Chlorodehydroabietic acid				5.0 µg/L
	Dehydroabietic acid				5.0 µg/L
	Isopimaric acid				5.0 µg/L
	Levopimaric acid				5.0 µg/L
	Neoabietic acid				5.0 µg/L
	Oleic acid				5.0 µg/L
	Pimaric acid				5.0 µg/L
IS1	Iron	Nitric evaporation or aqua regia digestion	Atomic absorption spectrometry and/or Emission Spectrometry - Inductively Coupled Plasma (ICP) or Direct Current Argon Plasma Spectrometry (DCP)	Polarography via the method of standard addition in the presence of suitable electrolyte	0.02 mg/L

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	By-Products Area		#2 Thickener	#1 Thickener	Tube Mill				Terminal Settling Basins			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No		No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No		No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No		No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	Yes		No	No	No				Yes			
		FREQUENCY OF SAMPLING:	TW	M	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
2	Total cyanide	Total cyanide	●●●		●●●	●●●				●●●	●●●			
3	Hydrogen ion (pH)	Hydrogen ion (pH)				●●●	●●●				●●●			
4a	Nitrogen	Ammonia plus Ammonium	●●●		●●●	●●●				●●●	●●●			
		Total Kjeldahl nitrogen												
4b		Nitrate + Nitrite												
5a	Organic carbon	Dissolved organic carbon (DOC)							●●●			●●●		
5b		Total organic carbon (TOC)												
6	Total phosphorus	Total phosphorus							●●●				●●●	
7	Specific conductance	Specific conductance					●●●				●●●			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●		●●●	●●●	●●●				●●●			
		Volatile suspended solids (VSS)	●●●		●●●	●●●	●●●				●●●			
9	Total metals	Aluminum								●●●				●●●
		Beryllium								●●●				●●●
		Cadmium								●●●				●●●
		Chromium				●●●				●●●				●●●
		Cobalt								●●●				●●●
		Copper								●●●				●●●
		Lead				●●●		●●●						●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	By-Products Area		#2 Thickener	#1 Thickener	Tube Mill				Terminal Settling Basins			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No		No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No		No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No		No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	Yes		No	No	No				Yes			
		FREQUENCY OF SAMPLING:	TW	M	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
9	Total metals (continued)	Molybdenum								●●●				●●●
		Nickel								●●●				●●●
		Silver								●●●				●●●
		Thallium								●●●				●●●
		Vanadium								●●●				●●●
		Zinc			●●●	●●●		●●●						●●●
10	Hydrides	Antimony												●●●
		Arsenic												●●●
		Selenium												●●●
12	Mercury	Mercury												●●●
14	Phenolics (4AAP)	Phenolics (4AAP)	●●●		●●●	●●●				●●●	●●●			
15	Sulphide	Sulphide									●●●			
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane								●●●				●●●
		1,1,2-Trichloroethane								●●●				●●●
		1,1-Dichloroethane								●●●				●●●
		1,1-Dichloroethylene								●●●				●●●
		1,2-Dichlorobenzene								●●●				●●●
		1,2-Dichloroethane (Ethylene dichloride)								●●●				●●●
		1,2-Dichloropropane								●●●				●●●
		1,3-Dichlorobenzene								●●●				●●●
		1,4-Dichlorobenzene								●●●				●●●
		Bromoform								●●●				●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	By-Products Area		#2 Thickener	#1 Thickener	Tube Mill				Terminal Settling Basins			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No		No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No		No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No		No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	Yes		No	No	No				Yes			
		FREQUENCY OF SAMPLING:	TW	M	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
16	Volatiles, Halogenated (continued)	Bromomethane								●●●				●●●
		Carbon tetrachloride								●●●				●●●
		Chlorobenzene								●●●				●●●
		Chloroform								●●●				●●●
		Chloromethane								●●●				●●●
		Cis-1,3-Dichloropropylene								●●●				●●●
		Dibromochloromethane								●●●				●●●
		Ethylene dibromide								●●●				●●●
		Methylene chloride								●●●				●●●
		Tetrachloroethylene (Perchloroethylene)								●●●				●●●
		Trans-1,2-Dichloroethylene								●●●				●●●
		Trans-1,3-Dichloropropylene								●●●				●●●
		Trichloroethylene								●●●				●●●
		Trichlorofluoromethane								●●●				●●●
		Vinyl chloride (Chloroethylene)								●●●				●●●
17	Volatiles, Non-Halogenated	Benzene	●●●											●●●
		Ethylbenzene		●●●										●●●
		Styrene		●●●										●●●
		Toluene		●●●										●●●
		o-Xylene		●●●										●●●
		m-Xylene and p-Xylene		●●●										●●●
19	Extractables, Base Neutral	Acenaphthene		●●●						●●●				●●●
		5-nitro Acenaphthene		●●●						●●●				●●●
		Acenaphthylene		●●●						●●●				●●●
		Anthracene		●●●						●●●				●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	By-Products Area		#2 Thickener	#1 Thickener	Tube Mill				Terminal Settling Basins			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No		No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No		No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No		No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	Yes		No	No	No				Yes			
		FREQUENCY OF SAMPLING:	TW	M	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
19	Extractables, Base Neutral (continued)	Benz(a)anthracene		●●●						●●●				●●●
		Benzo(a)pyrene	●●●							●●●				●●●
		Benzo(b)fluoranthene		●●●						●●●				●●●
		Benzo(g,h,i)perylene		●●●						●●●				●●●
		Benzo(k)fluoranthene		●●●						●●●				●●●
		Camphene		●●●						●●●				●●●
		1-Chloronaphthalene		●●●						●●●				●●●
		2-Chloronaphthalene		●●●						●●●				●●●
		Chrysene		●●●						●●●				●●●
		Dibenz(a,h)anthracene		●●●						●●●				●●●
		Fluoranthene		●●●						●●●				●●●
		Fluorene		●●●						●●●				●●●
		Indeno(1,2,3-cd)pyrene		●●●						●●●				●●●
		Indole		●●●						●●●				●●●
		1-Methylnaphthalene		●●●						●●●				●●●
		2-Methylnaphthalene		●●●						●●●				●●●
		Naphthalene	●●●							●●●				●●●
		Perylene		●●●						●●●				●●●
		Phenanthrene		●●●						●●●				●●●
		Pyrene		●●●						●●●				●●●
		Benzyl butyl phthalate		●●●						●●●				●●●
		Bis(2-ethylhexyl) phthalate		●●●						●●●				●●●
		Di-n-butyl phthalate		●●●						●●●				●●●
		Di-n-octyl phthalate		●●●						●●●				●●●
		4-Bromophenyl phenyl ether		●●●						●●●				●●●
		4-Chlorophenyl phenyl ether		●●●						●●●				●●●
		Bis(2-chloroisopropyl)ether		●●●						●●●				●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	By-Products Area		#2 Thickener	#1 Thickener	Tube Mill				Terminal Settling Basins			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No		No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No		No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No		No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	Yes		No	No	No				Yes			
		FREQUENCY OF SAMPLING:	TW	M	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
19	Extractables, Base Neutral (continued)	Bis(2-chloroethyl)ether		●●●						●●●				●●●
		2,4-Dinitrotoluene		●●●						●●●				●●●
		2,6-Dinitrotoluene		●●●						●●●				●●●
		Bis(2-chloroethoxy)methane		●●●						●●●				●●●
		Diphenylamine		●●●						●●●				●●●
		N-Nitrosodiphenylamine		●●●						●●●				●●●
		N-Nitrosodi-n-propylamine		●●●						●●●				●●●
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol												●●●
		2,3,4,6-Tetrachlorophenol												●●●
		2,3,5,6-Tetrachlorophenol												●●●
		2,3,4-Trichlorophenol												●●●
		2,3,5-Trichlorophenol												●●●
		2,4,5-Trichlorophenol												●●●
		2,4,6-Trichlorophenol												●●●
		2,4-Dimethyl phenol												●●●
		2,4-Dinitrophenol												●●●
		2,4-Dichlorophenol												●●●
		2,6-Dichlorophenol												●●●
		4,6-Dinitro-o-cresol												●●●
		2-Chlorophenol												●●●
		4-Chloro-3-methylphenol												●●●
		4-Nitrophenol												●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	By-Products Area		#2 Thickener	#1 Thickener	Tube Mill				Terminal Settling Basins			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No		No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No		No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No		No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	Yes		No	No	No				Yes			
		FREQUENCY OF SAMPLING:	TW	M	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
20	Extractables, Acid (Phenolics) (continued)	m-Cresol												●●●
		o-Cresol												●●●
		p-Cresol												●●●
		Pentachlorophenol												●●●
		Phenol												●●●
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene								●●●				●●●
		1,2,3,5-Tetrachlorobenzene								●●●				●●●
		1,2,4,5-Tetrachlorobenzene								●●●				●●●
		1,2,3-Trichlorobenzene								●●●				●●●
		1,2,4-Trichlorobenzene								●●●				●●●
		2,4,5-Trichlorotoluene								●●●				●●●
		Hexachlorobenzene								●●●				●●●
		Hexachlorobutadiene								●●●				●●●
		Hexachlorocyclopentadiene								●●●				●●●
		Hexachloroethane								●●●				●●●
		Octachlorostyrene								●●●				●●●
		Pentachlorobenzene								●●●				●●●
25	Solvent Extractables	Oil and grease	●●●			●●●	●●●				●●●			
IS1	Iron	Iron							●●●				●●●	

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Bar & Strip Lagoon Outfall				Cold Mill 24"			Cold Mill 20"			60" Sewer Outfall			30" Sewer Outfall		
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes			Yes			Yes			Yes		
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes			Yes			Yes			Yes		
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No			No			No			No		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No			No			No			No		
		QUALITY CONTROL MONITORING REQUIRED:	No				No			No			No			Yes		
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	W	M	D	W	M	D	W	M	D	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED																
2	Total cyanide	Total cyanide	●●●						●●●			●●●			●●●			●●●
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●				●●●			●●●			●●●			●●●		
4a	Nitrogen	Ammonia plus Ammonium			●●●				●●●			●●●			●●●			●●●
		Total Kjeldahl nitrogen																
4b		Nitrate + Nitrite																
5a	Organic carbon	Dissolved organic carbon (DOC)		●●●					●●●			●●●			●●●			●●●
5b		Total organic carbon (TOC)																
6	Total phosphorus	Total phosphorus			●●●				●●●			●●●			●●●			●●●
7	Specific conductance	Specific conductance	●●●															
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●				●●●			●●●			●●●			●●●		
		Volatile suspended solids (VSS)	●●●				●●●			●●●			●●●			●●●		
9	Total metals	Aluminum				●●●												
		Beryllium				●●●												
		Cadmium				●●●												
		Chromium				●●●			●●●			●●●			●●●			●●●
		Cobalt				●●●												
		Copper				●●●												
		Lead				●●●			●●●			●●●			●●●			●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Bar & Strip Lagoon Outfall				Cold Mill 24"			Cold Mill 20"			60" Sewer Outfall			30" Sewer Outfall		
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes			Yes			Yes			Yes		
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes			Yes			Yes			Yes		
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No			No			No			No		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No			No			No			No		
		QUALITY CONTROL MONITORING REQUIRED:	No				No			No			No			Yes		
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	W	M	D	W	M	D	W	M	D	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED																
9	Total metals (continued)	Molybdenum				●●●												
		Nickel				●●●												
		Silver				●●●												
		Thallium				●●●												
		Vanadium				●●●												
		Zinc	●●●						●●●			●●●			●●●			●●●
10	Hydrides	Antimony				●●●												
		Arsenic				●●●												
		Selenium				●●●												
12	Mercury	Mercury																
14	Phenolics (4AAP)	Phenolics (4AAP)	●●●						●●●			●●●			●●●			●●●
15	Sulphide	Sulphide																
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				●●●												
		1,1,2-Trichloroethane				●●●												
		1,1-Dichloroethane				●●●												
		1,1-Dichloroethylene				●●●												
		1,2-Dichlorobenzene				●●●												
		1,2-Dichloroethane (Ethylene dichloride)				●●●												
		1,2-Dichloropropane				●●●												
		1,3-Dichlorobenzene				●●●												
		1,4-Dichlorobenzene				●●●												
		Bromoform				●●●												

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Bar & Strip Lagoon Outfall				Cold Mill 24"			Cold Mill 20"			60" Sewer Outfall			30" Sewer Outfall		
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes			Yes			Yes			Yes		
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes			Yes			Yes			Yes		
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No			No			No			No		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No			No			No			No		
		QUALITY CONTROL MONITORING REQUIRED:	No				No			No			No			Yes		
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	W	M	D	W	M	D	W	M	D	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED																
16	Volatiles, Halogenated (continued)	Bromomethane				●●●												
		Carbon tetrachloride				●●●												
		Chlorobenzene				●●●												
		Chloroform				●●●												
		Chloromethane				●●●												
		Cis-1,3-Dichloropropylene				●●●												
		Dibromochloromethane				●●●												
		Ethylene dibromide				●●●												
		Methylene chloride				●●●												
		Tetrachloroethylene (Perchloroethylene)				●●●												
		Trans-1,2-Dichloroethylene				●●●												
		Trans-1,3-Dichloropropylene				●●●												
		Trichloroethylene				●●●												
		Trichlorofluoromethane				●●●												
		Vinyl chloride (Chloroethylene)				●●●												
17	Volatiles, Non-Halogenated	Benzene				●●●												
		Ethylbenzene				●●●												
		Styrene				●●●												
		Toluene				●●●												
		o-Xylene				●●●												
		m-Xylene and p-Xylene				●●●												
19	Extractables, Base Neutral	Acenaphthene				●●●												
		5-nitro Acenaphthene				●●●												
		Acenaphthylene				●●●												
		Anthracene				●●●												

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Bar & Strip Lagoon Outfall				Cold Mill 24"			Cold Mill 20"			60" Sewer Outfall			30" Sewer Outfall		
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes			Yes			Yes			Yes		
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes			Yes			Yes			Yes		
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No			No			No			No		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No			No			No			No		
		QUALITY CONTROL MONITORING REQUIRED:	No				No			No			No			Yes		
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	W	M	D	W	M	D	W	M	D	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED																
19	Extractables, Base Neutral (continued)	Benz(a)anthracene				●●●												
		Benzo(a)pyrene				●●●												
		Benzo(b)fluoranthene				●●●												
		Benzo(g,h,i)perylene				●●●												
		Benzo(k)fluoranthene				●●●												
		Camphene				●●●												
		1-Chloronaphthalene				●●●												
		2-Chloronaphthalene				●●●												
		Chrysene				●●●												
		Dibenz(a,h)anthracene				●●●												
		Fluoranthene				●●●												
		Fluorene				●●●												
		Indeno(1,2,3-cd)pyrene				●●●												
		Indole				●●●												
		1-Methylnaphthalene				●●●												
		2-Methylnaphthalene				●●●												
		Naphthalene				●●●												
		Perylene				●●●												
		Phenanthrene				●●●												
		Pyrene				●●●												
		Benzyl butyl phthalate				●●●												
		Bis(2-ethylhexyl) phthalate				●●●												
		Di-n-butyl phthalate				●●●												
		Di-n-octyl phthalate				●●●												
		4-Bromophenyl phenyl ether				●●●												
		4-Chlorophenyl phenyl ether				●●●												
		Bis(2-chloroisopropyl)ether				●●●												

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Bar & Strip Lagoon Outfall				Cold Mill 24"			Cold Mill 20"			60" Sewer Outfall			30" Sewer Outfall		
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes			Yes			Yes			Yes		
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes			Yes			Yes			Yes		
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No			No			No			No		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No			No			No			No		
		QUALITY CONTROL MONITORING REQUIRED:	No				No			No			No			Yes		
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	W	M	D	W	M	D	W	M	D	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED																
19	Extractables, Base Neutral (continued)	Bis(2-chloroethyl)ether				●●●												
		2,4-Dinitrotoluene				●●●												
		2,6-Dinitrotoluene				●●●												
		Bis(2-chloroethoxy)methane				●●●												
		Diphenylamine				●●●												
		N-Nitrosodiphenylamine				●●●												
		N-Nitrosodi-n-propylamine				●●●												
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				●●●												
		2,3,4,6-Tetrachlorophenol				●●●												
		2,3,5,6-Tetrachlorophenol				●●●												
		2,3,4-Trichlorophenol				●●●												
		2,3,5-Trichlorophenol				●●●												
		2,4,5-Trichlorophenol				●●●												
		2,4,6-Trichlorophenol				●●●												
		2,4-Dimethyl phenol				●●●												
		2,4-Dinitrophenol				●●●												
		2,4-Dichlorophenol				●●●												
		2,6-Dichlorophenol				●●●												
		4,6-Dinitro-o-cresol				●●●												
		2-Chlorophenol				●●●												
		4-Chloro-3-methylphenol				●●●												
		4-Nitrophenol				●●●												

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Bar & Strip Lagoon Outfall				Cold Mill 24"			Cold Mill 20"			60" Sewer Outfall			30" Sewer Outfall		
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes			Yes			Yes			Yes		
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes			Yes			Yes			Yes		
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No			No			No			No		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No			No			No			No		
		QUALITY CONTROL MONITORING REQUIRED:	No				No			No			No			Yes		
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	W	M	D	W	M	D	W	M	D	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED																
20	Extractables, Acid (Phenolics) (continued)	m-Cresol				●●●												
		o-Cresol				●●●												
		p-Cresol				●●●												
		Pentachlorophenol				●●●												
		Phenol				●●●												
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				●●●												
		1,2,3,5-Tetrachlorobenzene				●●●												
		1,2,4,5-Tetrachlorobenzene				●●●												
		1,2,3-Trichlorobenzene				●●●												
		1,2,4-Trichlorobenzene				●●●												
		2,4,5-Trichlorotoluene				●●●												
		Hexachlorobenzene				●●●												
		Hexachlorobutadiene				●●●												
		Hexachlorocyclopentadiene				●●●												
		Hexachloroethane				●●●												
		Octachlorostyrene				●●●												
		Pentachlorobenzene				●●●												
25	Solvent Extractables	Oil and grease	●●●					●●●			●●●				●●●			●●●
IS1	Iron	Iron			●●●			●●●				●●●		●●●			●●●	

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	#2 Steel Making Cooling Tower	Coke Oven Condenser	Boiler House	Cold Mill Storm Sewer Outfall
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes	Yes	Yes	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes	Yes	Yes	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
2	Total cyanide	Total cyanide	●●●	●●●	●●●	●●●
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●	●●●	●●●	●●●
4a	Nitrogen	Ammonia plus Ammonium	●●●	●●●	●●●	●●●
		Total Kjeldahl nitrogen				
4b		Nitrate + Nitrite				
5a	Organic carbon	Dissolved organic carbon (DOC)	●●●	●●●	●●●	
5b		Total organic carbon (TOC)				
6	Total phosphorus	Total phosphorus	●●●	●●●	●●●	
7	Specific conductance	Specific conductance				
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●	●●●	●●●	●●●
		Volatile suspended solids (VSS)	●●●	●●●	●●●	●●●
9	Total metals	Aluminum				
		Beryllium				
		Cadmium				
		Chromium	●●●	●●●	●●●	●●●
		Cobalt				
		Copper				
		Lead	●●●	●●●	●●●	●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	#2 Steel Making Cooling Tower	Coke Oven Condenser	Boiler House	Cold Mill Storm Sewer Outfall
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes	Yes	Yes	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes	Yes	Yes	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Molybdenum				
		Nickel				
		Silver				
		Thallium				
		Vanadium				
		Zinc	●●●	●●●	●●●	●●●
10	Hydrides	Antimony				
		Arsenic				
		Selenium				
12	Mercury	Mercury				
14	Phenolics (4AAP)	Phenolics (4AAP)	●●●	●●●	●●●	●●●
15	Sulphide	Sulphide				
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				
		1,1,2-Trichloroethane				
		1,1-Dichloroethane				
		1,1-Dichloroethylene				
		1,2-Dichlorobenzene				
		1,2-Dichloroethane (Ethylene dichloride)				
		1,2-Dichloropropane				
		1,3-Dichlorobenzene				
		1,4-Dichlorobenzene				
		Bromoform				

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	#2 Steel Making Cooling Tower	Coke Oven Condenser	Boiler House	Cold Mill Storm Sewer Outfall
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes	Yes	Yes	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes	Yes	Yes	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
16	Volatiles, Halogenated (continued)	Bromomethane				
		Carbon tetrachloride				
		Chlorobenzene				
		Chloroform				
		Chloromethane				
		Cis-1,3-Dichloropropylene				
		Dibromochloromethane				
		Ethylene dibromide				
		Methylene chloride				
		Tetrachloroethylene (Perchloroethylene)				
		Trans-1,2-Dichloroethylene				
		Trans-1,3-Dichloropropylene				
		Trichloroethylene				
		Trichlorofluoromethane				
		Vinyl chloride (Chloroethylene)				
17	Volatiles, Non-Halogenated	Benzene				●●●
		Ethylbenzene				
		Styrene				
		Toluene				
		o-Xylene				
		m-Xylene and p-Xylene				
19	Extractables, Base Neutral	Acenaphthene				
		5-nitro Acenaphthene				
		Acenaphthylene				
		Anthracene				

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	#2 Steel Making Cooling Tower	Coke Oven Condenser	Boiler House	Cold Mill Storm Sewer Outfall
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes	Yes	Yes	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes	Yes	Yes	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
19	Extractables, Base Neutral (continued)	Benz(a)anthracene				
		Benzo(a)pyrene				●●●
		Benzo(b)fluoranthene				
		Benzo(g,h,i)perylene				
		Benzo(k)fluoranthene				
		Camphene				
		1-Chloronaphthalene				
		2-Chloronaphthalene				
		Chrysene				
		Dibenz(a,h)anthracene				
		Fluoranthene				
		Fluorene				
		Indeno(1,2,3-cd)pyrene				
		Indole				
		1-Methylnaphthalene				
		2-Methylnaphthalene				
		Naphthalene				●●●
		Perylene				
		Phenanthrene				
		Pyrene				
		Benzyl butyl phthalate				
		Bis(2-ethylhexyl) phthalate				
		Di-n-butyl phthalate				
		Di-n-octyl phthalate				
		4-Bromophenyl phenyl ether				
		4-Chlorophenyl phenyl ether				
		Bis(2-chloroisopropyl)ether				

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	#2 Steel Making Cooling Tower	Coke Oven Condenser	Boiler House	Cold Mill Storm Sewer Outfall
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes	Yes	Yes	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes	Yes	Yes	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
19	Extractables, Base Neutral (continued)	Bis(2-chloroethyl)ether				
		2,4-Dinitrotoluene				
		2,6-Dinitrotoluene				
		Bis(2-chloroethoxy)methane				
		Diphenylamine				
		N-Nitrosodiphenylamine				
		N-Nitrosodi-n-propylamine				
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				
		2,3,4,6-Tetrachlorophenol				
		2,3,5,6-Tetrachlorophenol				
		2,3,4-Trichlorophenol				
		2,3,5-Trichlorophenol				
		2,4,5-Trichlorophenol				
		2,4,6-Trichlorophenol				
		2,4-Dimethyl phenol				
		2,4-Dinitrophenol				
		2,4-Dichlorophenol				
		2,6-Dichlorophenol				
		4,6-Dinitro-o-cresol				
		2-Chlorophenol				
		4-Chloro-3-methylphenol				
		4-Nitrophenol				

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	#2 Steel Making Cooling Tower	Coke Oven Condenser	Boiler House	Cold Mill Storm Sewer Outfall
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes	Yes	Yes	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes	Yes	Yes	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
20	Extractables, Acid (Phenolics) (continued)	m-Cresol				
		o-Cresol				
		p-Cresol				
		Pentachlorophenol				
		Phenol				
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				
		1,2,3,5-Tetrachlorobenzene				
		1,2,4,5-Tetrachlorobenzene				
		1,2,3-Trichlorobenzene				
		1,2,4-Trichlorobenzene				
		2,4,5-Trichlorotoluene				
		Hexachlorobenzene				
		Hexachlorobutadiene				
		Hexachlorocyclopentadiene				
		Hexachloroethane				
		Octachlorostyrene				
		Pentachlorobenzene				
25	Solvent Extractables	Oil and grease	●●●	●●●	●●●	●●●
IS1	Iron	Iron	●●●	●●●	●●●	●●●

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	Waste Acid Solidification Plant	North Plant Treatment	CEVAM	42" Sewer				Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for AT6s 24 and 27):	No	No	No	Yes				No
		MONITORING REQUIRED FOR AT6s 24 and 27:	No	No	No	Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No	Yes	No	Yes				No
		FREQUENCY OF SAMPLING:	W	TW	TW	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●	●●●	●●●	●●●				●●●
5a	Organic carbon	Dissolved organic carbon (DOC)					●●●			
5b		Total organic carbon (TOC)								
6	Total phosphorus	Total phosphorus						●●●		
7	Specific conductance	Specific conductance				●●●				
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●	●●●	●●●	●●●				●●●
		Volatile suspended solids (VSS)	●●●	●●●	●●●	●●●				●●●
9	Total metals	Aluminum	●●●						●●●	
		Beryllium	●●●						●●●	
		Cadmium	●●●						●●●	
		Chromium	●●●	●●●	●●●				●●●	
		Cobalt	●●●						●●●	
		Copper	●●●						●●●	
		Lead	●●●						●●●	
		Molybdenum	●●●						●●●	
		Nickel	●●●	●●●	●●●				●●●	●●●
		Silver	●●●						●●●	
		Thallium	●●●						●●●	
		Vanadium	●●●						●●●	
		Zinc	●●●	●●●	●●●				●●●	●●●

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	Waste Acid Solidification Plant	North Plant Treatment	CEVAM	42" Sewer				Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No	Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No	Yes	No	Yes				No
		FREQUENCY OF SAMPLING:	W	TW	TW	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
10	Hydrides	Antimony	●●●							
		Arsenic	●●●							
		Selenium	●●●							
11	Chromium (Hexavalent)	Chromium (Hexavalent)	●●●	●●●						●●●
14	Phenolics (4AAP)	Phenolics (4AAP)								
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane							●●●	
		1,1,2-Trichloroethane							●●●	
		1,1-Dichloroethane							●●●	
		1,1-Dichloroethylene							●●●	
		1,2-Dichlorobenzene							●●●	
		1,2-Dichloroethane (Ethylene dichloride)							●●●	
		1,2-Dichloropropane							●●●	
		1,3-Dichlorobenzene							●●●	
		1,4-Dichlorobenzene							●●●	
		Bromoform							●●●	
		Bromomethane							●●●	
		Carbon tetrachloride							●●●	
		Chlorobenzene							●●●	
		Chloroform							●●●	
		Chloromethane							●●●	
		Cis-1,3-Dichloropropylene							●●●	
		Dibromochloromethane							●●●	
		Ethylene dibromide							●●●	
		Methylene chloride							●●●	

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	Waste Acid Solidification Plant	North Plant Treatment	CEVAM	42" Sewer				Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No	Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No	Yes	No	Yes				No
		FREQUENCY OF SAMPLING:	W	TW	TW	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
16	Volatiles, Halogenated (continued)	Tetrachloroethylene (Perchloroethylene)							●●●	
		Trans-1,2-Dichloroethylene							●●●	
		Trans-1,3-Dichloropropylene							●●●	
		Trichloroethylene							●●●	
		Trichlorofluoromethane							●●●	
		Vinyl chloride (Chloroethylene)							●●●	
19	Extractables, Base Neutral	Acenaphthene							●●●	
		5-nitro Acenaphthene							●●●	
		Acenaphthylene							●●●	
		Anthracene							●●●	
		Benz(a)anthracene							●●●	
		Benzo(a)pyrene							●●●	
		Benzo(b)fluoranthene							●●●	
		Benzo(g,h,i)perylene							●●●	
		Benzo(k)fluoranthene							●●●	
		Camphene							●●●	
		1-Chloronaphthalene							●●●	
		2-Chloronaphthalene							●●●	
		Chrysene							●●●	
		Dibenz(a,h)anthracene							●●●	
		Fluoranthene							●●●	
		Fluorene							●●●	
		Indeno(1,2,3-cd)pyrene							●●●	
		Indole							●●●	
		1-Methylnaphthalene							●●●	
		2-Methylnaphthalene							●●●	

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	Waste Acid Solidification Plant	North Plant Treatment	CEVAM	42" Sewer				Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No	Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No	Yes	No	Yes				No
		FREQUENCY OF SAMPLING:	W	TW	TW	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
19	Extractables, Base Neutral (continued)	Naphthalene							●●●	
		Perylene							●●●	
		Phenanthrene							●●●	
		Pyrene							●●●	
		Benzyl butyl phthalate							●●●	
		Bis(2-ethylhexyl) phthalate							●●●	
		Di-n-butyl phthalate							●●●	
		Di-n-octyl phthalate							●●●	
		4-Bromophenyl phenyl ether							●●●	
		4-Chlorophenyl phenyl ether							●●●	
		Bis(2-chloroisopropyl)ether							●●●	
		Bis(2-chloroethyl)ether							●●●	
		2,4-Dinitrotoluene							●●●	
		2,6-Dinitrotoluene							●●●	
		Bis(2-chloroethoxy)methane							●●●	
		Diphenylamine							●●●	
		N-Nitrosodiphenylamine							●●●	
		N-Nitrosodi-n-propylamine							●●●	

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	Waste Acid Solidification Plant	North Plant Treatment	CEVAM	42" Sewer				Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No	Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No	Yes	No	Yes				No
		FREQUENCY OF SAMPLING:	W	TW	TW	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene							●●●	
		1,2,3,5-Tetrachlorobenzene							●●●	
		1,2,4,5-Tetrachlorobenzene							●●●	
		1,2,3-Trichlorobenzene							●●●	
		1,2,4-Trichlorobenzene							●●●	
		2,4,5-Trichlorotoluene							●●●	
		Hexachlorobenzene							●●●	
		Hexachlorobutadiene							●●●	
		Hexachlorocyclopentadiene							●●●	
		Hexachloroethane							●●●	
		Octachlorostyrene							●●●	
		Pentachlorobenzene							●●●	
25	Solvent Extractables	Oil and grease	●●●	●●●	●●●	●●●				●●●
IS1	Iron	Iron							●●●	●●●

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	South Plant Water Reclaim	North Plant Water Reclaim at 42" Sewer	#3 Building
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●	●●●	●●●
5a	Organic carbon	Dissolved organic carbon (DOC)			
5b		Total organic carbon (TOC)			
6	Total phosphorus	Total phosphorus			
7	Specific conductance	Specific conductance			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●	●●●	●●●
		Volatile suspended solids (VSS)	●●●	●●●	●●●
9	Total metals	Aluminum			
		Beryllium			
		Cadmium			
		Chromium			
		Cobalt			
		Copper			
		Lead			
		Molybdenum			
		Nickel	●●●	●●●	●●●
		Silver			
		Thallium			
		Vanadium			
		Zinc	●●●	●●●	●●●

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	South Plant Water Reclaim	North Plant Water Reclaim at 42" Sewer	#3 Building
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for AT6s 24 and 27):	No	No	No
		MONITORING REQUIRED FOR AT6s 24 and 27:	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
10	Hydrides	Antimony			
		Arsenic			
		Selenium			
11	Chromium (Hexavalent)	Chromium (Hexavalent)			
14	Phenolics (4AAP)	Phenolics (4AAP)			
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane			
		1,1,2-Trichloroethane			
		1,1-Dichloroethane			
		1,1-Dichloroethylene			
		1,2-Dichlorobenzene			
		1,2-Dichloroethane (Ethylene dichloride)			
		1,2-Dichloropropane			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		Bromoform			
		Bromomethane			
		Carbon tetrachloride			
		Chlorobenzene			
		Chloroform			
		Chloromethane			
		Cis-1,3-Dichloropropylene			
		Dibromochloromethane			
		Ethylene dibromide			
		Methylene chloride			

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	South Plant Water Reclaim	North Plant Water Reclaim at 42" Sewer	#3 Building
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
16	Volatiles, Halogenated (continued)	Tetrachloroethylene (Perchloroethylene)			
		Trans-1,2-Dichloroethylene			
		Trans-1,3-Dichloropropylene			
		Trichloroethylene			
		Trichlorofluoromethane			
		Vinyl chloride (Chloroethylene)			
19	Extractables, Base Neutral	Acenaphthene			
		5-nitro Acenaphthene			
		Acenaphthylene			
		Anthracene			
		Benz(a)anthracene			
		Benzo(a)pyrene			
		Benzo(b)fluoranthene			
		Benzo(g,h,i)perylene			
		Benzo(k)fluoranthene			
		Camphene			
		1-Chloronaphthalene			
		2-Chloronaphthalene			
		Chrysene			
		Dibenz(a,h)anthracene			
		Fluoranthene			
		Fluorene			
		Indeno(1,2,3-cd)pyrene			
		Indole			
		1-Methylnaphthalene			
		2-Methylnaphthalene			

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	South Plant Water Reclaim	North Plant Water Reclaim at 42" Sewer	#3 Building
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
19	Extractables, Base Neutral (continued)	Naphthalene			
		Perylene			
		Phenanthrene			
		Pyrene			
		Benzyl butyl phthalate			
		Bis(2-ethylhexyl) phthalate			
		Di-n-butyl phthalate			
		Di-n-octyl phthalate			
		4-Bromophenyl phenyl ether			
		4-Chlorophenyl phenyl ether			
		Bis(2-chloroisopropyl)ether			
		Bis(2-chloroethyl)ether			
		2,4-Dinitrotoluene			
		2,6-Dinitrotoluene			
		Bis(2-chloroethoxy)methane			
		Diphenylamine			
		N-Nitrosodiphenylamine			
		N-Nitrosodi-n-propylamine			

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	South Plant Water Reclaim	North Plant Water Reclaim at 42" Sewer	#3 Building
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene			
		1,2,3,5-Tetrachlorobenzene			
		1,2,4,5-Tetrachlorobenzene			
		1,2,3-Trichlorobenzene			
		1,2,4-Trichlorobenzene			
		2,4,5-Trichlorotoluene			
		Hexachlorobenzene			
		Hexachlorobutadiene			
		Hexachlorocyclopentadiene			
		Hexachloroethane			
		Octachlorostyrene			
		Pentachlorobenzene			
25	Solvent Extractables	Oil and grease	●●●	●●●	●●●
151	Iron	Iron	●●●	●●●	●●●

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	Coke Plant Biological Plant Discharge			Blast Furnace Recycle Blowdown	Steelmaking Clarifier Discharge
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No			No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No			No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes			No	No
		FREQUENCY OF SAMPLING:	TW	W	M	TW	TW
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
2	Total cyanide	Total cyanide	●●●			●●●	
3	Hydrogen ion (pH)	Hydrogen ion (pH)					
4a	Nitrogen	Ammonia plus Ammonium	●●●			●●●	
		Total Kjeldahl nitrogen					
4b		Nitrate + Nitrite					
5a	Organic carbon	Dissolved organic carbon (DOC)					
5b		Total organic carbon (TOC)					
6	Total phosphorus	Total phosphorus		●●●			
7	Specific conductance	Specific conductance					
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●			●●●	●●●
		Volatile suspended solids (VSS)	●●●			●●●	●●●
9	Total metals	Aluminum					
		Beryllium					
		Cadmium					
		Chromium					
		Cobalt					
		Copper					
		Lead					●●●

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	Coke Plant Biological Plant Discharge			Blast Furnace Recycle Blowdown	Steelmaking Clarifier Discharge
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No			No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No			No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes			No	No
		FREQUENCY OF SAMPLING:	TW	W	M	TW	TW
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
9	Total metals (continued)	Molybdenum					
		Nickel					
		Silver					
		Thallium					
		Vanadium					
		Zinc				●●●	●●●
10	Hydrides	Antimony					
		Arsenic					
		Selenium					
12	Mercury	Mercury					
14	Phenolics (4AAP)	Phenolics (4AAP)	●●●			●●●	
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane					
		1,1,2-Trichloroethane					
		1,1-Dichloroethane					
		1,1-Dichloroethylene					
		1,2-Dichlorobenzene					
		1,2-Dichloroethane (Ethylene dichloride)					
		1,2-Dichloropropane					
		1,3-Dichlorobenzene					
		1,4-Dichlorobenzene					
		Bromoform					
		Bromomethane					
		Carbon tetrachloride					

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	Coke Plant Biological Plant Discharge			Blast Furnace Recycle Blowdown	Steelmaking Clarifier Discharge
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No			No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No			No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes			No	No
		FREQUENCY OF SAMPLING:	TW	W	M	TW	TW
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
16	Volatiles, Halogenated (continued)	Chlorobenzene					
		Chloroform					
		Chloromethane					
		Cis-1,3-Dichloropropylene					
		Dibromochloromethane					
		Ethylene dibromide					
		Methylene chloride					
		Tetrachloroethylene (Perchloroethylene)					
		Trans-1,2-Dichloroethylene					
		Trans-1,3-Dichloropropylene					
		Trichloroethylene					
		Trichlorofluoromethane					
		Vinyl chloride (Chloroethylene)					
17	Volatiles, Non-Halogenated	Benzene	●●●				
		Ethylbenzene			●●●		
		Styrene			●●●		
		Toluene			●●●		
		o-Xylene			●●●		
		m-Xylene and p-Xylene			●●●		
19	Extractables, Base Neutral	Acenaphthene			●●●		
		5-nitro Acenaphthene			●●●		
		Acenaphthylene			●●●		
		Anthracene			●●●		
		Benz(a)anthracene			●●●		
		Benzo(a)pyrene	●●●				

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	Coke Plant Biological Plant Discharge			Blast Furnace Recycle Blowdown	Steelmaking Clarifier Discharge
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No			No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No			No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes			No	No
		FREQUENCY OF SAMPLING:	TW	W	M	TW	TW
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
19	Extractables, Base Neutral (continued)	Benzo(b)fluoranthene			●●●		
		Benzo(g,h,i)perylene			●●●		
		Benzo(k)fluoranthene			●●●		
		Camphene			●●●		
		1-Chloronaphthalene			●●●		
		2-Chloronaphthalene			●●●		
		Chrysene			●●●		
		Dibenz(a,h)anthracene			●●●		
		Fluoranthene			●●●		
		Fluorene			●●●		
		Indeno(1,2,3-cd)pyrene			●●●		
		Indole			●●●		
		1-Methylnaphthalene			●●●		
		2-Methylnaphthalene			●●●		
		Naphthalene	●●●				
		Perylene			●●●		
		Phenanthrene			●●●		
		Pyrene			●●●		
		Benzyl butyl phthalate			●●●		
		Bis(2-ethylhexyl) phthalate			●●●		
		Di-n-butyl phthalate			●●●		
		Di-n-octyl phthalate			●●●		
		4-Bromophenyl phenyl ether			●●●		
		4-Chlorophenyl phenyl ether			●●●		
		Bis(2-chloroisopropyl)ether			●●●		
		Bis(2-chloroethyl)ether			●●●		
		2,4-Dinitrotoluene			●●●		

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	Coke Plant Biological Plant Discharge			Blast Furnace Recycle Blowdown	Steelmaking Clarifier Discharge
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No			No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No			No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes			No	No
		FREQUENCY OF SAMPLING:	TW	W	M	TW	TW
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
19	Extractables, Base Neutral (continued)	2,6-Dinitrotoluene			●●●		
		Bis(2-chloroethoxy)methane			●●●		
		Diphenylamine			●●●		
		N-Nitrosodiphenylamine			●●●		
		N-Nitrosodi-n-propylamine			●●●		
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol					
		2,3,4,6-Tetrachlorophenol					
		2,3,5,6-Tetrachlorophenol					
		2,3,4-Trichlorophenol					
		2,3,5-Trichlorophenol					
		2,4,5-Trichlorophenol					
		2,4,6-Trichlorophenol					
		2,4-Dimethyl phenol					
		2,4-Dinitrophenol					
		2,4-Dichlorophenol					
		2,6-Dichlorophenol					
		4,6-Dinitro-o-cresol					
		2-Chlorophenol					
		4-Chloro-3-methylphenol					
		4-Nitrophenol					
		m-Cresol					
		o-Cresol					
		p-Cresol					
		Pentachlorophenol					
		Phenol					

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	Coke Plant Biological Plant Discharge			Blast Furnace Recycle Blowdown	Steelmaking Clarifier Discharge
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No			No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No			No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes			No	No
		FREQUENCY OF SAMPLING:	TW	W	M	TW	TW
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene					
		1,2,3,5-Tetrachlorobenzene					
		1,2,4,5-Tetrachlorobenzene					
		1,2,3-Trichlorobenzene					
		1,2,4-Trichlorobenzene					
		2,4,5-Trichlorotoluene					
		Hexachlorobenzene					
		Hexachlorobutadiene					
		Hexachlorocyclopentadiene					
		Hexachloroethane					
		Octachlorostyrene					
		Pentachlorobenzene					
25	Solvent Extractables	Oil and grease	●●●				●●●
IS1	Iron	Iron					

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	#1 Hot Mill Filtration Plant Discharge	Cold Mill Treatment Plant Discharge	Ottawa Street Sewer				West Bayfront Sewer			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No				Yes			
		FREQUENCY OF SAMPLING:	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
2	Total cyanide	Total cyanide					●●●				●●●	
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●	●●●	●●●				●●●			
4a	Nitrogen	Ammonia plus Ammonium					●●●				●●●	
		Total Kjeldahl nitrogen										
4b		Nitrate + Nitrite										
5a	Organic carbon	Dissolved organic carbon (DOC)		●●●		●●●				●●●		
5b		Total organic carbon (TOC)										
6	Total phosphorus	Total phosphorus					●●●				●●●	
7	Specific conductance	Specific conductance			●●●				●●●			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●	●●●	●●●				●●●			
		Volatile suspended solids (VSS)	●●●	●●●	●●●				●●●			
9	Total metals	Aluminum						●●●				●●●
		Beryllium						●●●				●●●
		Cadmium						●●●				●●●
		Chromium		●●●			●●●				●●●	
		Cobalt						●●●				●●●
		Copper						●●●				●●●
		Lead	●●●	●●●				●●●				●●●

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	#1 Hot Mill Filtration Plant Discharge	Cold Mill Treatment Plant Discharge	Ottawa Street Sewer				West Bayfront Sewer			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No				Yes			
		FREQUENCY OF SAMPLING:	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
9	Total metals (continued)	Molybdenum						●●●				●●●
		Nickel						●●●				●●●
		Silver						●●●				●●●
		Thallium						●●●				●●●
		Vanadium						●●●				●●●
		Zinc	●●●	●●●			●●●				●●●	
10	Hydrides	Antimony										●●●
		Arsenic										●●●
		Selenium										●●●
12	Mercury	Mercury										●●●
14	Phenolics (4AAP)	Phenolics (4AAP)					●●●				●●●	
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane						●●●				●●●
		1,1,2-Trichloroethane						●●●				●●●
		1,1-Dichloroethane						●●●				●●●
		1,1-Dichloroethylene						●●●				●●●
		1,2-Dichlorobenzene						●●●				●●●
		1,2-Dichloroethane (Ethylene dichloride)						●●●				●●●
		1,2-Dichloropropane						●●●				●●●
		1,3-Dichlorobenzene						●●●				●●●
		1,4-Dichlorobenzene						●●●				●●●
		Bromoform						●●●				●●●
		Bromomethane						●●●				●●●
		Carbon tetrachloride						●●●				●●●

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	#1 Hot Mill Filtration Plant Discharge	Cold Mill Treatment Plant Discharge	Ottawa Street Sewer				West Bayfront Sewer			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No				Yes			
		FREQUENCY OF SAMPLING:	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
16	Volatiles, Halogenated (continued)	Chlorobenzene						●●●				●●●
		Chloroform						●●●				●●●
		Chloromethane						●●●				●●●
		Cis-1,3-Dichloropropylene						●●●				●●●
		Dibromochloromethane						●●●				●●●
		Ethylene dibromide						●●●				●●●
		Methylene chloride						●●●				●●●
		Tetrachloroethylene (Perchloroethylene)						●●●				●●●
		Trans-1,2-Dichloroethylene						●●●				●●●
		Trans-1,3-Dichloropropylene						●●●				●●●
		Trichloroethylene						●●●				●●●
		Trichlorofluoromethane						●●●				●●●
		Vinyl chloride (Chloroethylene)						●●●				●●●
17	Volatiles, Non-Halogenated	Benzene										●●●
		Ethylbenzene										●●●
		Styrene										●●●
		Toluene										●●●
		o-Xylene										●●●
		m-Xylene and p-Xylene										●●●
19	Extractables, Base Neutral	Acenaphthene						●●●				●●●
		5-nitro Acenaphthene						●●●				●●●
		Acenaphthylene						●●●				●●●
		Anthracene						●●●				●●●
		Benz(a)anthracene						●●●				●●●
		Benzo(a)pyrene						●●●				●●●

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	#1 Hot Mill Filtration Plant Discharge	Cold Mill Treatment Plant Discharge	Ottawa Street Sewer				West Bayfront Sewer			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No				Yes			
		FREQUENCY OF SAMPLING:	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
19	Extractables, Base Neutral (continued)	Benzo(b)fluoranthene						●●●				●●●
		Benzo(g,h,i)perylene						●●●				●●●
		Benzo(k)fluoranthene						●●●				●●●
		Camphene						●●●				●●●
		1-Chloronaphthalene						●●●				●●●
		2-Chloronaphthalene						●●●				●●●
		Chrysene						●●●				●●●
		Dibenz(a,h)anthracene						●●●				●●●
		Fluoranthene						●●●				●●●
		Fluorene						●●●				●●●
		Indeno(1,2,3-cd)pyrene						●●●				●●●
		Indole						●●●				●●●
		1-Methylnaphthalene						●●●				●●●
		2-Methylnaphthalene						●●●				●●●
		Naphthalene						●●●				●●●
		Perylene						●●●				●●●
		Phenanthrene						●●●				●●●
		Pyrene						●●●				●●●
		Benzyl butyl phthalate						●●●				●●●
		Bis(2-ethylhexyl) phthalate						●●●				●●●
		Di-n-butyl phthalate						●●●				●●●
		Di-n-octyl phthalate						●●●				●●●
		4-Bromophenyl phenyl ether						●●●				●●●
		4-Chlorophenyl phenyl ether						●●●				●●●
		Bis(2-chloroisopropyl)ether						●●●				●●●
		Bis(2-chloroethyl)ether						●●●				●●●
		2,4-Dinitrotoluene						●●●				●●●

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	#1 Hot Mill Filtration Plant Discharge	Cold Mill Treatment Plant Discharge	Ottawa Street Sewer				West Bayfront Sewer			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No				Yes			
		FREQUENCY OF SAMPLING:	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
19	Extractables, Base Neutral (continued)	2,6-Dinitrotoluene						●●●				●●●
		Bis(2-chloroethoxy)methane						●●●				●●●
		Diphenylamine						●●●				●●●
		N-Nitrosodiphenylamine						●●●				●●●
		N-Nitrosodi-n-propylamine						●●●				●●●
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol										●●●
		2,3,4,6-Tetrachlorophenol										●●●
		2,3,5,6-Tetrachlorophenol										●●●
		2,3,4-Trichlorophenol										●●●
		2,3,5-Trichlorophenol										●●●
		2,4,5-Trichlorophenol										●●●
		2,4,6-Trichlorophenol										●●●
		2,4-Dimethyl phenol										●●●
		2,4-Dinitrophenol										●●●
		2,4-Dichlorophenol										●●●
		2,6-Dichlorophenol										●●●
		4,6-Dinitro-o-cresol										●●●
		2-Chlorophenol										●●●
		4-Chloro-3-methylphenol										●●●
		4-Nitrophenol										●●●
		m-Cresol										●●●
		o-Cresol										●●●
		p-Cresol										●●●
		Pentachlorophenol										●●●
		Phenol										●●●

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	#1 Hot Mill Filtration Plant Discharge	Cold Mill Treatment Plant Discharge	Ottawa Street Sewer				West Bayfront Sewer			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No				Yes			
		FREQUENCY OF SAMPLING:	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene						●●●				●●●
		1,2,3,5-Tetrachlorobenzene						●●●				●●●
		1,2,4,5-Tetrachlorobenzene						●●●				●●●
		1,2,3-Trichlorobenzene						●●●				●●●
		1,2,4-Trichlorobenzene						●●●				●●●
		2,4,5-Trichlorotoluene						●●●				●●●
		Hexachlorobenzene						●●●				●●●
		Hexachlorobutadiene						●●●				●●●
		Hexachlorocyclopentadiene						●●●				●●●
		Hexachloroethane						●●●				●●●
		Octachlorostyrene						●●●				●●●
		Pentachlorobenzene						●●●				●●●
25	Solvent Extractables	Oil and grease	●●●	●●●	●●●				●●●			
IS1	Iron	Iron					●●●				●●●	

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	East Boat Slip Sewer				Boilerhouse Sewer #1		Boilerhouse Sewer #2	Southeast Coal Fields Storm Sewer	Kenilworth Plant Storm Sewer
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes		Yes	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for AT6s 24 and 27):	Yes				Yes		Yes	No	No
		MONITORING REQUIRED FOR AT6s 24 and 27:	Yes				No		No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No		No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No				Yes		No	No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	W	M	M	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
2	Total cyanide	Total cyanide			●●●		●●●		●●●	●●●	●●●
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●				●●●		●●●	●●●	●●●
4a	Nitrogen	Ammonia plus Ammonium			●●●		●●●		●●●	●●●	●●●
		Total Kjeldahl nitrogen									
4b		Nitrate + Nitrite									
5a	Organic carbon	Dissolved organic carbon (DOC)		●●●				●●●	●●●		
5b		Total organic carbon (TOC)									
6	Total phosphorus	Total phosphorus			●●●		●●●		●●●		
7	Specific conductance	Specific conductance	●●●								
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●				●●●		●●●	●●●	●●●
		Volatile suspended solids (VSS)	●●●				●●●		●●●	●●●	●●●
9	Total metals	Aluminum				●●●					
		Beryllium				●●●					
		Cadmium				●●●					
		Chromium			●●●		●●●		●●●	●●●	●●●
		Cobalt				●●●					
		Copper				●●●					
		Lead				●●●		●●●	●●●	●●●	●●●

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	East Boat Slip Sewer				Boilerhouse Sewer #1		Boilerhouse Sewer #2	Southeast Coal Fields Storm Sewer	Kenilworth Plant Storm Sewer
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes		Yes	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes		Yes	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No		No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No		No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No				Yes		No	No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	W	M	M	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
9	Total metals (continued)	Molybdenum				●●●					
		Nickel				●●●					
		Silver				●●●					
		Thallium				●●●					
		Vanadium				●●●					
		Zinc			●●●		●●●		●●●	●●●	●●●
10	Hydrides	Antimony				●●●					
		Arsenic				●●●					
		Selenium				●●●					
12	Mercury	Mercury				●●●					
14	Phenolics (4AAP)	Phenolics (4AAP)			●●●		●●●		●●●	●●●	●●●
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				●●●					
		1,1,2-Trichloroethane				●●●					
		1,1-Dichloroethane				●●●					
		1,1-Dichloroethylene				●●●					
		1,2-Dichlorobenzene				●●●					
		1,2-Dichloroethane (Ethylene dichloride)				●●●					
		1,2-Dichloropropane				●●●					
		1,3-Dichlorobenzene				●●●					
		1,4-Dichlorobenzene				●●●					
		Bromoform				●●●					
		Bromomethane				●●●					
		Carbon tetrachloride				●●●					

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	East Boat Slip Sewer				Boilerhouse Sewer #1		Boilerhouse Sewer #2	Southeast Coal Fields Storm Sewer	Kenilworth Plant Storm Sewer
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes		Yes	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes		Yes	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No		No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No		No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No				Yes		No	No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	W	M	M	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
16	Volatiles, Halogenated (continued)	Chlorobenzene				●●●					
		Chloroform				●●●					
		Chloromethane				●●●					
		Cis-1,3-Dichloropropylene				●●●					
		Dibromochloromethane				●●●					
		Ethylene dibromide				●●●					
		Methylene chloride				●●●					
		Tetrachloroethylene (Perchloroethylene)				●●●					
		Trans-1,2-Dichloroethylene				●●●					
		Trans-1,3-Dichloropropylene				●●●					
		Trichloroethylene				●●●					
		Trichlorofluoromethane				●●●					
		Vinyl chloride (Chloroethylene)				●●●					
17	Volatiles, Non-Halogenated	Benzene				●●●				●●●	●●●
		Ethylbenzene				●●●					
		Styrene				●●●					
		Toluene				●●●					
		o-Xylene				●●●					
		m-Xylene and p-Xylene				●●●					
19	Extractables, Base Neutral	Acenaphthene				●●●					
		5-nitro Acenaphthene				●●●					
		Acenaphthylene				●●●					
		Anthracene				●●●					
		Benz(a)anthracene				●●●					
		Benzo(a)pyrene				●●●				●●●	●●●

SCHEDULE 3: DOFASCO

NAME OF EFFLUENT STREAM:	East Boat Slip Sewer				Boilerhouse Sewer #1		Boilerhouse Sewer #2	Southeast Coal Fields Storm Sewer	Kenilworth Plant Storm Sewer
FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes		Yes	No	No
CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes		Yes	No	No
MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No		No	No	No
OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No		No	No	No
QUALITY CONTROL MONITORING REQUIRED:	No				Yes		No	No	No
FREQUENCY OF SAMPLING:	D	TW	W	M	W	M	M	Event Oriented	M
ANALYTICAL TEST GROUP / PARAMETERS TO BE ANALYZED									
19 Extractables, Base Neutral (continued)									
Benzo(b)fluoranthene				●●●					
Benzo(g,h,i)perylene				●●●					
Benzo(k)fluoranthene				●●●					
Camphene				●●●					
1-Chloronaphthalene				●●●					
2-Chloronaphthalene				●●●					
Chrysene				●●●					
Dibenz(a,h)anthracene				●●●					
Fluoranthene				●●●					
Fluorene				●●●					
Indeno(1,2,3-cd)pyrene				●●●					
Indole				●●●					
1-Methylnaphthalene				●●●					
2-Methylnaphthalene				●●●					
Naphthalene				●●●				●●●	●●●
Perylene				●●●					
Phenanthrene				●●●					
Pyrene				●●●					
Benzyl butyl phthalate				●●●					
Bis(2-ethylhexyl) phthalate				●●●					
Di-n-butyl phthalate				●●●					
Di-n-octyl phthalate				●●●					
4-Bromophenyl phenyl ether				●●●					
4-Chlorophenyl phenyl ether				●●●					
Bis(2-chloroisopropyl)ether				●●●					
Bis(2-chloroethyl)ether				●●●					
2,4-Dinitrotoluene				●●●					

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	East Boat Slip Sewer				Boilerhouse Sewer #1		Boilerhouse Sewer #2	Southeast Coal Fields Storm Sewer	Kenilworth Plant Storm Sewer
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes		Yes	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes		Yes	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No		No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No		No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No				Yes		No	No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	W	M	M	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
19	Extractables, Base Neutral (continued)	2,6-Dinitrotoluene				●●●					
		Bis(2-chloroethoxy)methane				●●●					
		Diphenylamine				●●●					
		N-Nitrosodiphenylamine				●●●					
		N-Nitrosodi-n-propylamine				●●●					
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				●●●					
		2,3,4,6-Tetrachlorophenol				●●●					
		2,3,5,6-Tetrachlorophenol				●●●					
		2,3,4-Trichlorophenol				●●●					
		2,3,5-Trichlorophenol				●●●					
		2,4,5-Trichlorophenol				●●●					
		2,4,6-Trichlorophenol				●●●					
		2,4-Dimethyl phenol				●●●					
		2,4-Dinitrophenol				●●●					
		2,4-Dichlorophenol				●●●					
		2,6-Dichlorophenol				●●●					
		4,6-Dinitro-o-cresol				●●●					
		2-Chlorophenol				●●●					
		4-Chloro-3-methylphenol				●●●					
		4-Nitrophenol				●●●					
		m-Cresol				●●●					
		o-Cresol				●●●					
		p-Cresol				●●●					
		Pentachlorophenol				●●●					
		Phenol				●●●					

SCHEDULE 3: DOFASCO

		NAME OF EFFLUENT STREAM:	East Boat Slip Sewer				Boilerhouse Sewer #1		Boilerhouse Sewer #2	Southeast Coal Fields Storm Sewer	Kenilworth Plant Storm Sewer
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes		Yes	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes		Yes	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No		No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No		No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No				Yes		No	No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	W	M	M	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				●●●					
		1,2,3,5-Tetrachlorobenzene				●●●					
		1,2,4,5-Tetrachlorobenzene				●●●					
		1,2,3-Trichlorobenzene				●●●					
		1,2,4-Trichlorobenzene				●●●					
		2,4,5-Trichlorotoluene				●●●					
		Hexachlorobenzene				●●●					
		Hexachlorobutadiene				●●●					
		Hexachlorocyclopentadiene				●●●					
		Hexachloroethane				●●●					
		Octachlorostyrene				●●●					
		Pentachlorobenzene				●●●					
25	Solvent Extractables	Oil and grease	●●●				●●●		●●●	●●●	●●●
IS1	Iron	Iron			●●●		●●●		●●●	●●●	●●●

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 4: IVACO ROLLING MILLS

		NAME OF EFFLUENT STREAM:	East Discharge	North-East Discharge	South-East Discharge	Mill Pond Outlet	East Discharge
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes	No	No	No	Yes
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes	No	No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No	Yes
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No	Yes
		QUALITY CONTROL MONITORING REQUIRED:	Yes	No	No	Yes	Yes
		FREQUENCY OF SAMPLING:	M	M	M	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●	●●●	●●●	●●●	●●●
5a	Organic carbon	Dissolved organic carbon (DOC)	●●●				
5b		Total organic carbon (TOC)					
6	Total phosphorus	Total phosphorus	●●●				
7	Specific conductance	Specific conductance					●●●
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●	●●●	●●●	●●●	●●●
		Volatile suspended solids (VSS)	●●●	●●●	●●●	●●●	●●●
9	Total metals	Aluminum					
		Beryllium					
		Cadmium					
		Chromium	●●●				
		Cobalt					
		Copper					
		Lead	●●●	●●●	●●●	●●●	●●●
		Molybdenum					
		Nickel					
		Silver					
		Thallium					
		Vanadium					
		Zinc	●●●	●●●	●●●	●●●	●●●

SCHEDULE 4: IVACO ROLLING MILLS

		NAME OF EFFLUENT STREAM:	East Discharge	North-East Discharge	South-East Discharge	Mill Pond Outlet	East Discharge
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes	No	No	No	Yes
		CHARACTERIZATION SAMPLING REQUIRED (except for AT6s 24 and 27):	Yes	No	No	No	No
		MONITORING REQUIRED FOR AT6s 24 and 27:	No	No	No	No	Yes
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No	Yes
		QUALITY CONTROL MONITORING REQUIRED:	Yes	No	No	Yes	Yes
		FREQUENCY OF SAMPLING:	M	M	M	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
25	Solvent Extractables	Oil and grease	●●●	●●●	●●●	●●●	●●●
IS1	Iron	Iron	●●●	●●●	●●●		

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 5: LASCO

		NAME OF EFFLUENT STREAM:	South Pond				Storm Water Discharge Point	Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●				●●●	●●●
5a	Organic carbon	Dissolved organic carbon (DOC)			●●●			
5b		Total organic carbon (TOC)						
6	Total phosphorus	Total phosphorus			●●●			
7	Specific conductance	Specific conductance	●●●					
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●				●●●	●●●
		Volatile suspended solids (VSS)	●●●				●●●	●●●
9	Total metals	Aluminum				●●●		
		Beryllium				●●●		
		Cadmium				●●●		
		Chromium				●●●		
		Cobalt				●●●		
		Copper				●●●		
		Lead		●●●			●●●	●●●
		Molybdenum				●●●		
		Nickel				●●●		
		Silver				●●●		
		Thallium				●●●		
		Vanadium				●●●		
		Zinc		●●●			●●●	●●●

SCHEDULE 5: LASCO

		NAME OF EFFLUENT STREAM:	South Pond				Storm Water Discharge Point	Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				●●●		
		1,1,2-Trichloroethane				●●●		
		1,1-Dichloroethane				●●●		
		1,1-Dichloroethylene				●●●		
		1,2-Dichlorobenzene				●●●		
		1,2-Dichloroethane (Ethylene dichloride)				●●●		
		1,2-Dichloropropane				●●●		
		1,3-Dichlorobenzene				●●●		
		1,4-Dichlorobenzene				●●●		
		Bromoform				●●●		
		Bromomethane				●●●		
		Carbon tetrachloride				●●●		
		Chlorobenzene				●●●		
		Chloroform				●●●		
		Chloromethane				●●●		
		Cis-1,3-Dichloropropylene				●●●		
		Dibromochloromethane				●●●		
		Ethylene dibromide				●●●		
		Methylene chloride				●●●		
		Tetrachloroethylene (Perchloroethylene)				●●●		
		Trans-1,2-Dichloroethylene				●●●		
		Trans-1,3-Dichloropropylene				●●●		
		Trichloroethylene				●●●		
		Trichlorofluoromethane				●●●		
		Vinyl chloride (Chloroethylene)				●●●		

SCHEDULE 5: LASCO

		NAME OF EFFLUENT STREAM:	South Pond				Storm Water Discharge Point	Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for AT6s 24 and 27):	Yes				No	No
		MONITORING REQUIRED FOR AT6s 24 and 27:	Yes				No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
19	Extractables, Base Neutral	Acenaphthene				●●●		
		5-nitro Acenaphthene				●●●		
		Acenaphthylene				●●●		
		Anthracene				●●●		
		Benz(a)anthracene				●●●		
		Benzo(a)pyrene				●●●		
		Benzo(b)fluoranthene				●●●		
		Benzo(g,h,i)perylene				●●●		
		Benzo(k)fluoranthene				●●●		
		Camphene				●●●		
		1-Chloronaphthalene				●●●		
		2-Chloronaphthalene				●●●		
		Chrysene				●●●		
		Dibenz(a,h)anthracene				●●●		
		Fluoranthene				●●●		
		Fluorene				●●●		
		Indeno(1,2,3-cd)pyrene				●●●		
		Indole				●●●		
		1-Methylnaphthalene				●●●		
		2-Methylnaphthalene				●●●		
		Naphthalene				●●●		
		Perylene				●●●		
		Phenanthrene				●●●		
		Pyrene				●●●		
		Benzyl butyl phthalate				●●●		
		Bis(2-ethylhexyl) phthalate				●●●		
		Di-n-butyl phthalate				●●●		
		Di-n-octyl phthalate				●●●		

SCHEDULE 5: LASCO

		NAME OF EFFLUENT STREAM:	South Pond				Storm Water Discharge Point	Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
19	Extractables, Base Neutral (continued)	4-Bromophenyl phenyl ether				●●●		
		4-Chlorophenyl phenyl ether				●●●		
		Bis(2-chloroisopropyl)ether				●●●		
		Bis(2-chloroethyl)ether				●●●		
		2,4-Dinitrotoluene				●●●		
		2,6-Dinitrotoluene				●●●		
		Bis(2-chloroethoxy)methane				●●●		
		Diphenylamine				●●●		
		N-Nitrosodiphenylamine				●●●		
		N-Nitrosodi-n-propylamine				●●●		
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				●●●		
		1,2,3,5-Tetrachlorobenzene				●●●		
		1,2,4,5-Tetrachlorobenzene				●●●		
		1,2,3-Trichlorobenzene				●●●		
		1,2,4-Trichlorobenzene				●●●		
		2,4,5-Trichlorotoluene				●●●		
		Hexachlorobenzene				●●●		
		Hexachlorobutadiene				●●●		
		Hexachlorocyclopentadiene				●●●		
		Hexachloroethane				●●●		
		Octachlorostyrene				●●●		
		Pentachlorobenzene				●●●		
25	Solvent Extractables	Oil and grease	●●●				●●●	●●●
IS1	Iron	Iron			●●●		●●●	●●●

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	#2 Rod Mill				20" Mill				East Side Filter Plant			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	No				No				Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
2	Total cyanide	Total cyanide				●●●						●●●		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●				●●●				●●●			
4a	Nitrogen	Ammonia plus Ammonium				●●●						●●●		
		Total Kjeldahl nitrogen				●●●								
4b		Nitrate + Nitrite												
5a	Organic carbon	Dissolved organic carbon (DOC)			●●●				●●●			●●●		
5b		Total organic carbon (TOC)												
6	Total phosphorus	Total phosphorus			●●●				●●●				●●●	
7	Specific conductance	Specific conductance	●●●				●●●				●●●			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●				●●●				●●●			
		Volatile suspended solids (VSS)	●●●				●●●				●●●			
9	Total metals	Aluminum				●●●				●●●				●●●
		Beryllium				●●●				●●●				●●●
		Cadmium				●●●				●●●				●●●
		Chromium				●●●				●●●		●●●		
		Cobalt				●●●				●●●				●●●
		Copper				●●●				●●●				●●●
		Lead		●●●				●●●				●●●		

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	#2 Rod Mill				20" Mill				East Side Filter Plant			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	No				No				Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
9	Total metals (continued)	Molybdenum				●●●				●●●				●●●
		Nickel				●●●				●●●				●●●
		Silver				●●●				●●●				●●●
		Thallium				●●●				●●●				●●●
		Vanadium				●●●				●●●				●●●
		Zinc		●●●				●●●				●●●		
10	Hydrides	Antimony												●●●
		Arsenic												●●●
		Selenium												●●●
12	Mercury	Mercury												●●●
14	Phenolics (4AAP)	Phenolics (4AAP)			●●●				●●●			●●●		
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				●●●				●●●				●●●
		1,1,2-Trichloroethane				●●●				●●●				●●●
		1,1-Dichloroethane				●●●				●●●				●●●
		1,1-Dichloroethylene				●●●				●●●				●●●
		1,2-Dichlorobenzene				●●●				●●●				●●●
		1,2-Dichloroethane (Ethylene dichloride)				●●●				●●●				●●●
		1,2-Dichloropropane				●●●				●●●				●●●
		1,3-Dichlorobenzene				●●●				●●●				●●●
		1,4-Dichlorobenzene				●●●				●●●				●●●
		Bromoform				●●●				●●●				●●●
		Bromomethane				●●●				●●●				●●●
		Carbon tetrachloride				●●●				●●●				●●●

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	#2 Rod Mill				20" Mill				East Side Filter Plant			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	No				No				Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
16	Volatiles, Halogenated (continued)	Chlorobenzene				●●●				●●●				●●●
		Chloroform				●●●				●●●				●●●
		Chloromethane				●●●				●●●				●●●
		Cis-1,3-Dichloropropylene				●●●				●●●				●●●
		Dibromochloromethane				●●●				●●●				●●●
		Ethylene dibromide				●●●				●●●				●●●
		Methylene chloride				●●●				●●●				●●●
		Tetrachloroethylene (Perchloroethylene)				●●●				●●●				●●●
		Trans-1,2-Dichloroethylene				●●●				●●●				●●●
		Trans-1,3-Dichloropropylene				●●●				●●●				●●●
		Trichloroethylene				●●●				●●●				●●●
		Trichlorofluoromethane				●●●				●●●				●●●
		Vinyl chloride (Chloroethylene)				●●●				●●●				●●●
17	Volatiles, Non-Halogenated	Benzene										●●●		
		Styrene												●●●
		Toluene												●●●
		o-Xylene												●●●
		m-Xylene and p-Xylene												●●●
19	Extractables, Base Neutral	Acenaphthene				●●●				●●●				●●●
		5-nitro Acenaphthene				●●●				●●●				●●●
		Acenaphthylene				●●●				●●●				●●●
		Anthracene				●●●				●●●				●●●
		Benz(a)anthracene				●●●				●●●				●●●
		Benzo(a)pyrene				●●●				●●●		●●●		
		Benzo(b)fluoranthene				●●●				●●●				●●●

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	#2 Rod Mill				20" Mill				East Side Filter Plant			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	No				No				Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
19	Extractables, Base Neutral (continued)	Benzo(g,h,i)perylene				●●●				●●●				●●●
		Benzo(k)fluoranthene				●●●				●●●				●●●
		Camphene				●●●				●●●				●●●
		1-Chloronaphthalene				●●●				●●●				●●●
		2-Chloronaphthalene				●●●				●●●				●●●
		Chrysene				●●●				●●●				●●●
		Dibenz(a,h)anthracene				●●●				●●●				●●●
		Fluoranthene				●●●				●●●				●●●
		Fluorene				●●●				●●●				●●●
		Indeno(1,2,3-cd)pyrene				●●●				●●●				●●●
		Indole				●●●				●●●				●●●
		1-Methylnaphthalene				●●●				●●●				●●●
		2-Methylnaphthalene				●●●				●●●				●●●
		Naphthalene				●●●				●●●		●●●		
		Perylene				●●●				●●●				●●●
		Phenanthrene				●●●				●●●				●●●
		Pyrene				●●●				●●●				●●●
		Benzyl butyl phthalate				●●●				●●●				●●●
		Bis(2-ethylhexyl) phthalate				●●●				●●●				●●●
		Di-n-butyl phthalate				●●●				●●●				●●●
		Di-n-octyl phthalate				●●●				●●●				●●●
		4-Bromophenyl phenyl ether				●●●				●●●				●●●
		4-Chlorophenyl phenyl ether				●●●				●●●				●●●
		Bis(2-chloroisopropyl)ether				●●●				●●●				●●●
		Bis(2-chloroethyl)ether				●●●				●●●				●●●
		2,4-Dinitrotoluene				●●●				●●●				●●●
		2,6-Dinitrotoluene				●●●				●●●				●●●

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	#2 Rod Mill				20" Mill				East Side Filter Plant			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	No				No				Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
19	Extractables, Base Neutral (continued)	Bis(2-chloroethoxy)methane				●●●				●●●				●●●
		Diphenylamine				●●●				●●●				●●●
		N-Nitrosodiphenylamine				●●●				●●●				●●●
		N-Nitrosodi-n-propylamine				●●●				●●●				●●●
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol												●●●
		2,3,4,6-Tetrachlorophenol												●●●
		2,3,5,6-Tetrachlorophenol												●●●
		2,3,4-Trichlorophenol												●●●
		2,3,5-Trichlorophenol												●●●
		2,4,5-Trichlorophenol												●●●
		2,4,6-Trichlorophenol												●●●
		2,4-Dimethyl phenol												●●●
		2,4-Dinitrophenol												●●●
		2,4-Dichlorophenol												●●●
		2,6-Dichlorophenol												●●●
		4,6-Dinitro-o-cresol												●●●
		2-Chlorophenol												●●●
		4-Chloro-3-methylphenol												●●●
		4-Nitrophenol												●●●
		m-Cresol												●●●
		o-Cresol												●●●
		p-Cresol												●●●
		Pentachlorophenol												●●●
		Phenol												●●●

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	#2 Rod Mill				20" Mill				East Side Filter Plant			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	No				No				Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				●●●				●●●				●●●
		1,2,3,5-Tetrachlorobenzene				●●●				●●●				●●●
		1,2,4,5-Tetrachlorobenzene				●●●				●●●				●●●
		1,2,3-Trichlorobenzene				●●●				●●●				●●●
		1,2,4-Trichlorobenzene				●●●				●●●				●●●
		2,4,5-Trichlorotoluene				●●●				●●●				●●●
		Hexachlorobenzene				●●●				●●●				●●●
		Hexachlorobutadiene				●●●				●●●				●●●
		Hexachlorocyclopentadiene				●●●				●●●				●●●
		Hexachloroethane				●●●				●●●				●●●
		Octachlorostyrene				●●●				●●●				●●●
		Pentachlorobenzene				●●●				●●●				●●●
25	Solvent Extractables	Oil and grease	●●●				●●●				●●●			
IS1	Iron	Iron			●●●				●●●				●●●	

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	North Outfall				West-Side Open Cut		North-West Outfall		#1 60" Sewer				#2 60" Sewer
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes		Yes		Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes		Yes		Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No		No		Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No		No		Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No				Yes		No		No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	W	M	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
2	Total cyanide	Total cyanide			●●●		●●●		●●●						●●●
3	Hydrogen Ion (pH)	Hydrogen Ion (pH)	●●●					●●●		●●●	●●●				●●●
4a	Nitrogen	Ammonia plus Ammonium			●●●		●●●		●●●						●●●
		Total Kjeldahl nitrogen													
4b		Nitrate + Nitrite													
5a	Organic carbon	Dissolved organic carbon (DOC)		●●●				●●●		●●●		●●●			
5b		Total organic carbon (TOC)													
6	Total phosphorus	Total phosphorus			●●●			●●●		●●●			●●●		
7	Specific conductance	Specific conductance	●●●								●●●				
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●				●●●		●●●		●●●				●●●
		Volatile suspended solids (VSS)	●●●				●●●		●●●		●●●				●●●
9	Total metals	Aluminum				●●●								●●●	
		Beryllium				●●●								●●●	
		Cadmium				●●●								●●●	
		Chromium				●●●		●●●		●●●		●●●			●●●
		Cobalt				●●●								●●●	
		Copper				●●●								●●●	
		Lead		●●●				●●●		●●●		●●●			●●●

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	North Outfall				West-Side Open Cut		North-West Outfall		#1 60" Sewer				#2 60" Sewer
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes		Yes		Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes		Yes		Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No		No		Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No		No		Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No				Yes		No		No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	W	M	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
9	Total metals (continued)	Molybdenum				●●●								●●●	
		Nickel				●●●								●●●	
		Silver				●●●								●●●	
		Thallium				●●●								●●●	
		Vanadium				●●●								●●●	
		Zinc		●●●			●●●		●●●			●●●			●●●
10	Hydrides	Antimony												●●●	
		Arsenic												●●●	
		Selenium												●●●	
12	Mercury	Mercury													
14	Phenolics (4AAP)	Phenolics (4AAP)			●●●		●●●		●●●						●●●
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				●●●								●●●	
		1,1,2-Trichloroethane				●●●								●●●	
		1,1-Dichloroethane				●●●								●●●	
		1,1-Dichloroethylene				●●●								●●●	
		1,2-Dichlorobenzene				●●●								●●●	
		1,2-Dichloroethane (Ethylene dichloride)				●●●								●●●	
		1,2-Dichloropropane				●●●								●●●	
		1,3-Dichlorobenzene				●●●								●●●	
		1,4-Dichlorobenzene				●●●								●●●	
		Bromoform				●●●								●●●	
		Bromomethane				●●●								●●●	
		Carbon tetrachloride				●●●								●●●	

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	North Outfall				West-Side Open Cut		North-West Outfall		#1 60" Sewer				#2 60" Sewer
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes		Yes		Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes		Yes		Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No		No		Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No		No		Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No				Yes		No		No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	W	M	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
16	Volatiles, Halogenated (continued)	Chlorobenzene				●●●								●●●	
		Chloroform				●●●								●●●	
		Chloromethane				●●●								●●●	
		Cis-1,3-Dichloropropylene				●●●								●●●	
		Dibromochloromethane				●●●								●●●	
		Ethylene dibromide				●●●								●●●	
		Methylene chloride				●●●								●●●	
		Tetrachloroethylene (Perchloroethylene)				●●●								●●●	
		Trans-1,2-Dichloroethylene				●●●								●●●	
		Trans-1,3-Dichloropropylene				●●●								●●●	
		Trichloroethylene				●●●								●●●	
		Trichlorofluoromethane				●●●								●●●	
		Vinyl chloride (Chloroethylene)				●●●								●●●	
17	Volatiles, Non-Halogenated	Benzene													●●●
		Styrene													
		Toluene													
		o-Xylene													
		m-Xylene and p-Xylene													
19	Extractables, Base Neutral	Acenaphthene				●●●									
		5-nitro Acenaphthene				●●●									
		Acenaphthylene				●●●									
		Anthracene				●●●									
		Benz(a)anthracene				●●●									
		Benzo(a)pyrene				●●●									●●●
		Benzo(b)fluoranthene				●●●									

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	North Outfall				West-Side Open Cut		North-West Outfall		#1 60" Sewer			#2 60" Sewer
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes		Yes		Yes			No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes		Yes		Yes			No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No		No		Yes			No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No		No		Yes			No
		QUALITY CONTROL MONITORING REQUIRED:	No				Yes		No		No			No
		FREQUENCY OF SAMPLING:	D	TW	W	M	W	M	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
19	Extractables, Base Neutral (continued)	Benzo(g,h,i)perylene				●●●									
		Benzo(k)fluoranthene				●●●									
		Camphene				●●●									
		1-Chloronaphthalene				●●●									
		2-Chloronaphthalene				●●●									
		Chrysene				●●●									
		Dibenz(a,h)anthracene				●●●									
		Fluoranthene				●●●									
		Fluorene				●●●									
		Indeno(1,2,3-cd)pyrene				●●●									
		Indole				●●●									
		1-Methylnaphthalene				●●●									
		2-Methylnaphthalene				●●●									
		Naphthalene				●●●									●●●
		Perylene				●●●									
		Phenanthrene				●●●									
		Pyrene				●●●									
		Benzyl butyl phthalate				●●●									
		Bis(2-ethylhexyl) phthalate				●●●									
		Di-n-butyl phthalate				●●●									
		Di-n-octyl phthalate				●●●									
		4-Bromophenyl phenyl ether				●●●									
		4-Chlorophenyl phenyl ether				●●●									
		Bis(2-chloroisopropyl)ether				●●●									
		Bis(2-chloroethyl)ether				●●●									
		2,4-Dinitrotoluene				●●●									
		2,6-Dinitrotoluene				●●●									

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	North Outfall				West-Side Open Cut		North-West Outfall		#1 60" Sewer				#2 60" Sewer
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes		Yes		Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes		Yes		Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No		No		Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No		No		Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No				Yes		No		No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	W	M	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
19	Extractables, Base Neutral (continued)	Bis(2-chloroethoxy)methane				●●●									
		Diphenylamine				●●●									
		N-Nitrosodiphenylamine				●●●									
		N-Nitrosodi-n-propylamine				●●●									
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol													
		2,3,4,6-Tetrachlorophenol													
		2,3,5,6-Tetrachlorophenol													
		2,3,4-Trichlorophenol													
		2,3,5-Trichlorophenol													
		2,4,5-Trichlorophenol													
		2,4,6-Trichlorophenol													
		2,4-Dimethyl phenol													
		2,4-Dinitrophenol													
		2,4-Dichlorophenol													
		2,6-Dichlorophenol													
		4,6-Dinitro-o-cresol													
		2-Chlorophenol													
		4-Chloro-3-methylphenol													
		4-Nitrophenol													
		m-Cresol													
		o-Cresol													
		p-Cresol													
		Pentachlorophenol													
		Phenol													

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	North Outfall				West-Side Open Cut		North-West Outfall		#1 60" Sewer				#2 60" Sewer
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes		Yes		Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes		Yes		Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No		No		Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No		No		Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No				Yes		No		No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	W	M	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				●●●								●●●	
		1,2,3,5-Tetrachlorobenzene				●●●								●●●	
		1,2,4,5-Tetrachlorobenzene				●●●								●●●	
		1,2,3-Trichlorobenzene				●●●								●●●	
		1,2,4-Trichlorobenzene				●●●								●●●	
		2,4,5-Trichlorotoluene				●●●								●●●	
		Hexachlorobenzene				●●●								●●●	
		Hexachlorobutadiene				●●●								●●●	
		Hexachlorocyclopentadiene				●●●								●●●	
		Hexachloroethane				●●●								●●●	
		Octachlorostyrene				●●●								●●●	
		Pentachlorobenzene				●●●								●●●	
25	Solvent Extractables	Oil and grease	●●●				●●●		●●●		●●●				●●●
IS1	Iron	Iron			●●●		●●●		●●●					●●●	●●●

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	East Side Filter Plant Overflow Weir
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
2	Total cyanide	Total cyanide	●●●
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●
4a	Nitrogen	Ammonia plus Ammonium	●●●
		Total Kjeldahl nitrogen	
4b		Nitrate + Nitrite	
5a	Organic carbon	Dissolved organic carbon (DOC)	
5b		Total organic carbon (TOC)	
6	Total phosphorus	Total phosphorus	
7	Specific conductance	Specific conductance	
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●
		Volatile suspended solids (VSS)	●●●
9	Total metals	Aluminum	
		Beryllium	
		Cadmium	
		Chromium	●●●
		Cobalt	
		Copper	
		Lead	●●●

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	East Side Filter Plant Overflow Weir
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
9	Total metals (continued)	Molybdenum	
		Nickel	
		Silver	
		Thallium	
		Vanadium	
		Zinc	●●●
10	Hydrides	Antimony	
		Arsenic	
		Selenium	
12	Mercury	Mercury	
14	Phenolics (4AAP)	Phenolics (4AAP)	●●●
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane	
		1,1,2-Trichloroethane	
		1,1-Dichloroethane	
		1,1-Dichloroethylene	
		1,2-Dichlorobenzene	
		1,2-Dichloroethane (Ethylene dichloride)	
		1,2-Dichloropropane	
		1,3-Dichlorobenzene	
		1,4-Dichlorobenzene	
		Bromoform	
		Bromomethane	
		Carbon tetrachloride	

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	East Side Filter Plant Overflow Weir
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
16	Volatiles, Halogenated (continued)	Chlorobenzene	
		Chloroform	
		Chloromethane	
		Cis-1,3-Dichloropropylene	
		Dibromochloromethane	
		Ethylene dibromide	
		Methylene chloride	
		Tetrachloroethylene (Perchloroethylene)	
		Trans-1,2-Dichloroethylene	
		Trans-1,3-Dichloropropylene	
		Trichloroethylene	
		Trichlorofluoromethane	
		Vinyl chloride (Chloroethylene)	
17	Volatiles, Non-Halogenated	Benzene	●●●
		Styrene	
		Toluene	
		o-Xylene	
		m-Xylene and p-Xylene	
19	Extractables, Base Neutral	Acenaphthene	
		5-nitro Acenaphthene	
		Acenaphthylene	
		Anthracene	
		Benz(a)anthracene	
		Benzo(a)pyrene	●●●
		Benzo(b)fluoranthene	

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	East Side Filter Plant Overflow Weir
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
19	Extractables, Base Neutral (continued)	Benzo(g,h,i)perylene	
		Benzo(k)fluoranthene	
		Camphene	
		1-Chloronaphthalene	
		2-Chloronaphthalene	
		Chrysene	
		Dibenz(a,h)anthracene	
		Fluoranthene	
		Fluorene	
		Indeno(1,2,3-cd)pyrene	
		Indole	
		1-Methylnaphthalene	
		2-Methylnaphthalene	
		Naphthalene	●●●
		Perylene	
		Phenanthrene	
		Pyrene	
		Benzyl butyl phthalate	
		Bis(2-ethylhexyl) phthalate	
		Di-n-butyl phthalate	
		Di-n-octyl phthalate	
		4-Bromophenyl phenyl ether	
		4-Chlorophenyl phenyl ether	
		Bis(2-chloroisopropyl)ether	
		Bis(2-chloroethyl)ether	
		2,4-Dinitrotoluene	
		2,6-Dinitrotoluene	

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	East Side Filter Plant Overflow Weir
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
19	Extractables, Base Neutral (continued)	Bis(2-chloroethoxy)methane	
		Diphenylamine	
		N-Nitrosodiphenylamine	
		N-Nitrosodi-n-propylamine	
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol	
		2,3,4,6-Tetrachlorophenol	
		2,3,5,6-Tetrachlorophenol	
		2,3,4-Trichlorophenol	
		2,3,5-Trichlorophenol	
		2,4,5-Trichlorophenol	
		2,4,6-Trichlorophenol	
		2,4-Dimethyl phenol	
		2,4-Dinitrophenol	
		2,4-Dichlorophenol	
		2,6-Dichlorophenol	
		4,6-Dinitro-o-cresol	
		2-Chlorophenol	
		4-Chloro-3-methylphenol	
		4-Nitrophenol	
		m-Cresol	
		o-Cresol	
		p-Cresol	
		Pentachlorophenol	
		Phenol	

SCHEDULE 6: STELCO STEEL HILTON WORKS

		NAME OF EFFLUENT STREAM:	East Side Filter Plant Overflow Weir
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene	
		1,2,3,5-Tetrachlorobenzene	
		1,2,4,5-Tetrachlorobenzene	
		1,2,3-Trichlorobenzene	
		1,2,4-Trichlorobenzene	
		2,4,5-Trichlorotoluene	
		Hexachlorobenzene	
		Hexachlorobutadiene	
		Hexachlorocyclopentadiene	
		Hexachloroethane	
		Octachlorostyrene	
		Pentachlorobenzene	
25	Solvent Extractables	Oil and grease	●●●
IS1	Iron	Iron	●●●

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 7: STELCO STEEL LAKE ERIE WORKS

		NAME OF EFFLUENT STREAM:	Blowdown Treatment Plant			#4 Pond Discharge				Storm Water Pond #2	Lagoon E	Coal Storage Area
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No			Yes				No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No			Yes				No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			Yes				No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			Yes				No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes			Yes				No	No	No
		FREQUENCY OF SAMPLING:	TW	W	M	D	TW	W	M	M	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
2	Total cyanide	Total cyanide	●●●					●●●		●●●	●●●	●●●
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●			●●●				●●●	●●●	●●●
4a	Nitrogen	Ammonia plus Ammonium	●●●					●●●		●●●	●●●	●●●
		Total Kjeldahl nitrogen										
4b		Nitrate + Nitrite										
5a	Organic carbon	Dissolved organic carbon (DOC)					●●●					
5b		Total organic carbon (TOC)										
6	Total phosphorus	Total phosphorus		●●●				●●●				
7	Specific conductance	Specific conductance				●●●						
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●			●●●				●●●	●●●	●●●
		Volatile suspended solids (VSS)	●●●			●●●				●●●	●●●	●●●
9	Total metals	Aluminum							●●●			
		Beryllium							●●●			
		Cadmium						●●●				
		Chromium	●●●						●●●	●●●	●●●	●●●
		Cobalt							●●●			
		Copper							●●●			
		Lead	●●●						●●●	●●●	●●●	●●●

SCHEDULE 7: STELCO STEEL LAKE ERIE WORKS

		NAME OF EFFLUENT STREAM:	Blowdown Treatment Plant			#4 Pond Discharge				Storm Water Pond #2	Lagoon E	Coal Storage Area
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No			Yes				No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No			Yes				No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			Yes				No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			Yes				No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes			Yes				No	No	No
		FREQUENCY OF SAMPLING:	TW	W	M	D	TW	W	M	M	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
9	Total metals (continued)	Molybdenum							●●●			
		Nickel							●●●			
		Silver							●●●			
		Thallium							●●●			
		Vanadium							●●●			
		Zinc	●●●						●●●	●●●	●●●	●●●
10	Hydrides	Antimony							●●●			
		Arsenic							●●●			
		Selenium							●●●			
12	Mercury	Mercury							●●●			
14	Phenolics (4AAP)	Phenolics (4AAP)	●●●					●●●		●●●	●●●	●●●
15	Sulphide	Sulphide									●●●	
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane							●●●			
		1,1,2-Trichloroethane							●●●			
		1,1-Dichloroethane							●●●			
		1,1-Dichloroethylene							●●●			
		1,2-Dichlorobenzene							●●●			
		1,2-Dichloroethane (Ethylene dichloride)							●●●			
		1,2-Dichloropropane							●●●			
		1,3-Dichlorobenzene							●●●			
		1,4-Dichlorobenzene							●●●			
		Bromoform							●●●			

SCHEDULE 7: STELCO STEEL LAKE ERIE WORKS

		NAME OF EFFLUENT STREAM:	Blowdown Treatment Plant			#4 Pond Discharge				Storm Water Pond #2	Lagoon E	Coal Storage Area
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No			Yes				No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No			Yes				No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			Yes				No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			Yes				No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes			Yes				No	No	No
		FREQUENCY OF SAMPLING:	TW	W	M	D	TW	W	M	M	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
16	Volatiles, Halogenated (continued)	Bromomethane							●●●			
		Carbon tetrachloride							●●●			
		Chlorobenzene							●●●			
		Chloroform							●●●			
		Chloromethane							●●●			
		Cis-1,3-Dichloropropylene							●●●			
		Dibromochloromethane							●●●			
		Ethylene dibromide							●●●			
		Methylene chloride							●●●			
		Tetrachloroethylene (Perchloroethylene)							●●●			
		Trans-1,2-Dichloroethylene							●●●			
		Trans-1,3-Dichloropropylene							●●●			
		Trichloroethylene							●●●			
		Trichlorofluoromethane							●●●			
		Vinyl chloride (Chloroethylene)							●●●			
17	Volatiles, Non-Halogenated	Benzene	●●●						●●●	●●●	●●●	●●●
		Ethylbenzene			●●●				●●●			
		Styrene			●●●				●●●			
		Toluene			●●●				●●●			
		o-Xylene			●●●				●●●			
		m-Xylene and p-Xylene			●●●				●●●			
19	Extractables, Base Neutral	Acenaphthene			●●●				●●●			
		5-nitro Acenaphthene			●●●				●●●			
		Acenaphthylene			●●●				●●●			
		Anthracene			●●●				●●●			

SCHEDULE 7: STELCO STEEL LAKE ERIE WORKS

		NAME OF EFFLUENT STREAM:	Blowdown Treatment Plant			#4 Pond Discharge				Storm Water Pond #2	Lagoon E	Coal Storage Area
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No			Yes				No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No			Yes				No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			Yes				No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			Yes				No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes			Yes				No	No	No
		FREQUENCY OF SAMPLING:	TW	W	M	D	TW	W	M	M	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
19	Extractables, Base Neutral (continued)	Benz(a)anthracene			●●●				●●●			
		Benzo(a)pyrene	●●●						●●●	●●●	●●●	●●●
		Benzo(b)fluoranthene			●●●				●●●			
		Benzo(g,h,i)perylene			●●●				●●●			
		Benzo(k)fluoranthene			●●●				●●●			
		Camphene			●●●				●●●			
		1-Chloronaphthalene			●●●				●●●			
		2-Chloronaphthalene			●●●				●●●			
		Chrysene			●●●				●●●			
		Dibenz(a,h)anthracene			●●●				●●●			
		Fluoranthene			●●●				●●●			
		Fluorene			●●●				●●●			
		Indeno(1,2,3-cd)pyrene			●●●				●●●			
		indole			●●●				●●●			
		1-Methylnaphthalene			●●●				●●●			
		2-Methylnaphthalene			●●●				●●●			
		Naphthalene	●●●						●●●	●●●	●●●	●●●
		Perylene			●●●				●●●			
		Phenanthrene			●●●				●●●			
		Pyrene			●●●				●●●			
		Benzyl butyl phthalate			●●●				●●●			
		Bis(2-ethylhexyl) phthalate			●●●				●●●			
		Di-n-butyl phthalate			●●●				●●●			
		Di-n-octyl phthalate			●●●				●●●			
		4-Bromophenyl phenyl ether			●●●				●●●			
		4-Chlorophenyl phenyl ether			●●●				●●●			
		Bis(2-chloroisopropyl)ether			●●●				●●●			

SCHEDULE 7: STELCO STEEL LAKE ERIE WORKS

		NAME OF EFFLUENT STREAM:	Blowdown Treatment Plant			#4 Pond Discharge				Storm Water Pond #2	Lagoon E	Coal Storage Area
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No			Yes				No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No			Yes				No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			Yes				No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			Yes				No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes			Yes				No	No	No
		FREQUENCY OF SAMPLING:	TW	W	M	D	TW	W	M	M	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
19	Extractables, Base Neutral (continued)	Bis(2-chloroethyl)ether			●●●				●●●			
		2,4-Dinitrotoluene			●●●				●●●			
		2,6-Dinitrotoluene			●●●				●●●			
		Bis(2-chloroethoxy)methane			●●●				●●●			
		Diphenylamine			●●●				●●●			
		N-Nitrosodiphenylamine			●●●				●●●			
		N-Nitrosodi-n-propylamine			●●●				●●●			
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol							●●●			
		2,3,4,6-Tetrachlorophenol							●●●			
		2,3,5,6-Tetrachlorophenol							●●●			
		2,3,4-Trichlorophenol							●●●			
		2,3,5-Trichlorophenol							●●●			
		2,4,5-Trichlorophenol							●●●			
		2,4,6-Trichlorophenol							●●●			
		2,4-Dimethyl phenol							●●●			
		2,4-Dinitrophenol							●●●			
		2,4-Dichlorophenol							●●●			
		2,6-Dichlorophenol							●●●			
		4,6-Dinitro-o-cresol							●●●			
		2-Chlorophenol							●●●			
		4-Chloro-3-methylphenol							●●●			
		4-Nitrophenol							●●●			

SCHEDULE 7: STELCO STEEL LAKE ERIE WORKS

		NAME OF EFFLUENT STREAM:	Blowdown Treatment Plant			#4 Pond Discharge				Storm Water Pond #2	Lagoon E	Coal Storage Area
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No			Yes				No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No			Yes				No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			Yes				No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			Yes				No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes			Yes				No	No	No
		FREQUENCY OF SAMPLING:	TW	W	M	D	TW	W	M	M	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
20	Extractables, Acid (Phenolics) (continued)	m-Cresol							●●●			
		o-Cresol							●●●			
		p-Cresol							●●●			
		Pentachlorophenol							●●●			
		Phenol							●●●			
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene							●●●			
		1,2,3,5-Tetrachlorobenzene							●●●			
		1,2,4,5-Tetrachlorobenzene							●●●			
		1,2,3-Trichlorobenzene							●●●			
		1,2,4-Trichlorobenzene							●●●			
		2,4,5-Trichlorotoluene							●●●			
		Hexachlorobenzene							●●●			
		Hexachlorobutadiene							●●●			
		Hexachlorocyclopentadiene							●●●			
		Hexachloroethane							●●●			
		Octachlorostyrene							●●●			
		Pentachlorobenzene							●●●			
25	Solvent Extractables	Oil and grease	●●●			●●●				●●●	●●●	●●●
IS1	Iron	Iron							●●●	●●●	●●●	●●●

* Daphnia Magna Acute Lethality Toxicity Test

O. Reg. 602/89
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**REGULATION TO AMEND
ONTARIO REGULATION 321/89
MADE UNDER THE
ENVIRONMENTAL PROTECTION ACT**

1. Subsection 3(12) of Ontario Regulation 321/89 is amended by inserting, after "analyses" in the eighth line and after "analyses" in the eleventh line, "other than those required by subsection 6(2)."

2. Section 3 of the said Regulation is amended by adding thereto the following subsections:

(13) In addition to complying with subsection 3(19) of the General Effluent Monitoring Regulation, every direct discharger shall use only sampling equipment for the collection of samples, the wettable surfaces of which are made of,

(a) fluorocarbon resins, glass or stainless steel for samples that are to be analyzed for parameters in analytical test group 26 as set out in Schedule A; and

(b) fluorocarbon resins, glass, stainless steel, high or low density polyethylene, polyethylene terephthalate, polystyrene or polypropylene for samples that are to be analyzed for parameters in analytical test group IS1 as set out in Schedule A.

(14) Despite subsection (13), a direct discharger may use sampling devices that contain a short section of surgical grade silicone rubber tubing or other tubing approved by the Director if such tubing cannot be replaced by a material mentioned in subsection (13) without impairing the operation of the device.

(15) For the purposes of subsections 3(22), (25a) and (26) of the General Effluent Monitoring Regulation,

(a) a sample collected for analysis for parameters in more than one analytical test group as set out in the Schedules to this Regulation is deemed to be a sample collected for analysis for parameters in more than one analytical test group in Schedule 1 to the General Effluent Monitoring Regulation; and

(b) a laboratory sample container specified in Column 2 of Schedule D to this Regulation is deemed to be a laboratory sample container specified in Column 2 of Schedule 2 to the General Effluent Monitoring Regulation.

(16) Subsection 3(23a) of the General Effluent Monitoring Regulation does not apply where a direct discharger is governed by this Regulation.

3.-(1) Subsection 13(1) of the said Regulation is amended by striking out "grab samples" in the sixth line and inserting in lieu thereof "a set of samples".

(2) Subsection 13(2) of the said Regulation is amended by striking out "grab sample" in the first and second lines and inserting in lieu thereof "set of samples" and by striking out "grab sample" in the fourth line and inserting in lieu thereof "set".

(3) Section 13 of the said Regulation is amended by adding thereto the following subsection:

(3) Despite subsection 3(10), each sample collected under subsection (1) shall be collected as a single grab sample.

4. Section 17 of the said Regulation is revoked and the following substituted therefor:

17.-(1) Once in each month, on a day on which samples are collected under section 10 from the process subcategory effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for the direct discharger's plant, each direct discharger shall collect a duplicate sample for each sample collected on that day from that stream under sections 7 and 8.

(2) Each direct discharger shall analyze each set of duplicate samples collected under subsection (1) for samples collected under section 7 for the parameters indicated in the column marked "TW" and each set of duplicate samples collected under subsection (1) for samples collected under section 8 for the parameters indicated in the column marked "W", for the stream from which the set was collected, of the site-specific monitoring schedule for the discharger's plant.

(3) Once in each month, on a day on which samples are collected under section 10 from the final effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for the direct discharger's plant,

each direct discharger shall collect a duplicate sample for each sample collected on that day from that stream under sections 6 to 8.

(4) Each direct discharger shall analyze each set of duplicate samples collected under subsection (3) for samples collected under section 6 for the parameters indicated in the column marked "D", each set of duplicate samples collected under subsection (3) for samples collected under section 7 for the parameters indicated in the column marked "TW", and each set of duplicate samples collected under subsection (3) for samples collected under section 8 for the parameters indicated in the column marked "W", for the stream from which the set was collected, of the site-specific monitoring schedule for the discharger's plant.

(5) Semi-annually, with at least 180 days between successive collections and on a day on which samples are collected under subsection (1), each direct discharger shall collect a duplicate sample for each sample collected on that day under section 10 from the process subcategory effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for the discharger's plant, and shall analyze the set of duplicate samples for the parameters indicated in the column marked "M", for the stream from which the set was collected, of the site-specific monitoring schedule for the discharger's plant.

(6) Semi-annually, with at least 180 days between successive collections and on a day on which samples are collected under subsection (3), each direct discharger shall collect a duplicate sample for each sample collected on that day under section 10 from the final effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for the discharger's plant, and shall analyze the set of duplicate samples for the parameters indicated in the column marked "M", for the stream from which the set was collected, of the site-specific monitoring schedule for the discharger's plant.

(7) Semi-annually, with at least 180 days between successive collections and on a day on which samples are collected under section 11 from the cooling water effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for the direct discharger's plant, each direct discharger shall collect a duplicate sample for each sample collected on that day from that stream under section 11.

(8) Each direct discharger shall analyze each set of duplicate samples collected under subsection (7) for the parameters in the column marked "M", for the stream from which

the set was collected, of the site-specific monitoring schedule for the discharger's plant.

(9) Semi-annually, with at least 180 days between successive collections and on a day on which samples are collected under section 8 from the cooling water effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for the direct discharger's plant, each direct discharger shall collect a duplicate sample for each sample collected on that day from that stream under section 8.

(10) Each direct discharger shall analyze each set of duplicate samples collected under subsection (9) for the parameters in the column marked "W", for the stream from which the set was collected, of the site-specific monitoring schedule for the discharger's plant.

(11) Once in respect of each emergency, maintenance activity or malfunction in a direct discharger's plant, on a day on which samples are collected under section 13 in respect of that event, the discharger shall collect a duplicate sample for each sample collected on that day under section 13 from the process subcategory and final effluent streams indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant.

(12) Each direct discharger shall analyze each set of duplicate samples collected under subsection (11) for the parameters indicated in the column marked "event oriented", for the stream from which the set was collected, of the site-specific monitoring schedule for the discharger's plant.

(13) Once in each month, on the day on which samples are collected under subsection (1), each direct discharger shall prepare a travelling blank sample and a travelling spiked blank sample for each sample collected on that day under sections 7 and 8 from the process subcategory effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for the discharger's plant.

(14) Each direct discharger shall analyze each set of travelling blank samples prepared under subsection (13) for samples collected under section 7 for the parameters indicated in the column marked "TW" and each set of travelling blank samples prepared under subsection (13) for samples collected under section 8 for the parameters indicated in the column marked "W", for the stream from which the samples for which the travelling blank samples were prepared were collected, of the site-specific monitoring schedule for the discharger's plant.

(15) Each direct discharger shall analyze each set of travelling spiked blank samples prepared under subsection (13) for samples collected under section 7 for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "TW" and each set of travelling spiked blank samples prepared under subsection (13) for samples collected under section 8 for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "W", for the stream from which the samples for which the travelling spiked blank samples were prepared were collected, of the site-specific monitoring schedule for the discharger's plant.

(16) Once in each month, on the day on which samples are collected under subsection (3), each direct discharger shall prepare a travelling blank sample and a travelling spiked blank sample for each sample collected on that day under sections 6 to 8 from the final effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for the discharger's plant.

(17) Each direct discharger shall analyze each set of travelling blank samples prepared under subsection (16) for samples collected under section 6 for the parameters indicated in the column marked "D", each set of travelling blank samples prepared under subsection (16) for samples collected under section 7 for the parameters indicated in the column marked "TW" and each set of travelling blank samples prepared under subsection (16) for samples collected under section 8 for the parameters indicated in the column marked "W", for the stream from which the samples for which the travelling blank samples were prepared were collected.

(18) Each direct discharger shall analyze each set of travelling spiked blank samples prepared under subsection (16) for samples collected under section 6 for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "D", each set of travelling spiked blank samples prepared under subsection (16) for samples collected under section 7 for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "TW" and each set of travelling spiked blank samples prepared under subsection (16) for samples collected under section 8 for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "W", for the stream from which the samples for which the travelling spiked blank samples were prepared were collected, of the site-specific monitoring schedule for the discharger's plant.

(19) Each direct discharger shall prepare a travelling blank sample and a travelling spiked blank sample for each duplicate

sample collected under subsection (5).

(20) Each direct discharger shall analyze each set of travelling blank samples prepared under subsection (19) for the parameters in the column marked "M" and each set of travelling spiked blank samples prepared under subsection (19) for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "M", for the stream from which the samples for which the travelling blank samples and travelling spiked blank samples were prepared were collected, of the site-specific monitoring schedule for the discharger's plant.

(21) Each direct discharger shall prepare a travelling blank sample and a travelling spiked blank sample for each duplicate sample collected under subsection (6).

(22) Each direct discharger shall analyze each set of travelling blank samples prepared under subsection (21) for the parameters in the column marked "M" and each set of travelling spiked blank samples prepared under subsection (21) for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "M", for the stream from which the samples for which the travelling blank samples and travelling spiked blank samples were prepared were collected, of the site-specific monitoring schedule for the discharger's plant.

(23) Each direct discharger shall prepare a travelling blank sample and a travelling spiked blank sample for each duplicate sample collected under subsection (7).

(24) Each direct discharger shall analyze each set of travelling blank samples prepared under subsection (23) for the parameters in the column marked "M", for the stream from which the samples for which the travelling blank samples were prepared were collected, in the site-specific monitoring schedule for the discharger's plant.

(25) Each direct discharger shall analyze each set of travelling spiked blank samples prepared under subsection (23) for the parameters in analytical test groups 16 to 20, 23 and 26 as indicated in the characterization parameters schedule for the discharger's plant.

(26) Each direct discharger shall prepare a travelling blank sample and a travelling spiked blank sample for each duplicate sample collected under subsection (9).

(27) Each direct discharger shall analyze each set of travelling blank samples prepared under subsection (26) for the parameters in the column marked "W", for the stream from which

the samples for which the travelling blank samples were prepared were collected, in the site-specific monitoring schedule for the discharger's plant.

(28) Each direct discharger shall analyze each set of travelling spiked blank samples prepared under subsection (26) for the parameters in analytical test groups 16 to 20, 23 and 26 as indicated in the characterization parameters schedule for the discharger's plant.

(29) Each direct discharger shall prepare a travelling blank sample and a travelling spiked blank sample for each duplicate sample collected under subsection (11).

(30) Each direct discharger shall analyze each set of travelling blank samples prepared under subsection (29) for the parameters indicated in the column marked "event oriented" and each set of travelling spiked blank samples prepared under subsection (29) for the parameters in analytical test groups 16 to 20, 23 and 26 indicated in the column marked "event oriented", for the stream from which the samples for which the travelling blank samples and travelling spiked blank samples were prepared were collected, of the site-specific monitoring schedule for the discharger's plant.

(31) Despite subsections (14), (17), (20), (22), (24), (27) and (30), a direct discharger need not analyze a travelling blank sample for parameters in analytical test groups 3 and 8 as indicated in the characterization parameters schedule for the discharger's plant.

5. Subsection 20(9) of the said Regulation is amended by striking out "the data recorded under subsection 17(22) and" in the eighth and ninth lines.

6. Subsection 20(10) of the said Regulation is revoked and the following substituted therefor:

(10) For the purpose of subsection (9), each direct discharger shall report the results of analyses of samples for parameters in analytical test groups 2, 3, 4a, 4b, 5a, 5b, 6, 7, 8, 11, 14, 15, 25 and IS1 as indicated in the characterization parameters schedule for that discharger's plant within sixty days after the last day of the week in which the sample was collected and shall report the results of analyses of samples for parameters in analytical test groups 9, 10, 12, 16, 17, 19, 20, 23, 24, 26, 27, 28a, 28b and 29 as indicated in the characterization parameters schedule for the discharger's plant within ninety days after the last day of the week in which the sample was collected.

7. Schedules A, B, 1, 2, 4 and 5 are revoked and the following substituted therefor:

SCHEDULE A - CHARACTERIZATION PARAMETERS SCHEDULE

The following list of parameters apply to: Algoma Steel
Dofasco
Stelco Hilton
Stelco Lake Erie Works

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
2	Total cyanide	Total cyanide	57-12-5
3	Hydrogen ion (pH)	Hydrogen ion (pH)	N/A
4a	Nitrogen	Ammonia plus Ammonium	N/A
		Total Kjeldahl nitrogen	N/A
4b		Nitrate + Nitrite	N/A
5a	Organic carbon	Dissolved organic carbon (DOC)	N/A
5b		Total organic carbon (TOC) (NOTE 1)	N/A
6	Total phosphorus	Total phosphorus	7723-14-0
7	Specific conductance	Specific conductance	N/A
8	Suspended solids	Total suspended solids (TSS)	N/A
		Volatile suspended solids (VSS)	N/A
9	Total metals	Aluminum	7429-90-5
		Beryllium	7440-41-7
		Cadmium	7440-43-9
		Chromium	7440-47-3
		Cobalt	7440-48-4
		Copper	7440-50-8
		Lead	7439-92-1
		Molybdenum	7439-98-7
		Nickel	7440-02-0
		Silver	7440-22-4
		Thallium	7440-28-0
		Vanadium	7440-62-2
		Zinc	7440-66-6
10	Hydrides	Antimony	7440-36-0
		Arsenic	7440-38-2
		Selenium	7782-49-2
11	Chromium (Hexavalent)	Chromium (Hexavalent)	7440-47-3
12	Mercury	Mercury	7439-97-6

SCHEDULE A - CHARACTERIZATION PARAMETERS SCHEDULE

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
14	Phenolics (4AAP)	Phenolics (4AAP)	N/A
15	Sulphide	Sulphide	N/A
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane	79-34-5
		1,1,2-Trichloroethane	79-00-5
		1,1-Dichloroethane	75-34-3
		1,1-Dichloroethylene	75-35-4
		1,2-Dichlorobenzene	95-50-1
		1,2-Dichloroethane (Ethylene dichloride)	107-06-2
		1,2-Dichloropropane	78-87-5
		1,3-Dichlorobenzene	541-73-1
		1,4-Dichlorobenzene	106-46-7
		Bromoform	75-25-2
		Bromomethane	74-83-9
		Carbon tetrachloride	56-23-5
		Chlorobenzene	108-90-7
		Chloroform	67-66-3
		Chloromethane	74-87-3
		Cis-1,3-Dichloropropylene	10061-01-5
		Dibromochloromethane	124-48-1
		Ethylene dibromide	106-93-4
		Methylene chloride	75-09-2
		Tetrachloroethylene (Perchloroethylene)	127-18-4
		Trans-1,2-Dichloroethylene	156-60-5
		Trans-1,3-Dichloropropylene	10061-02-6
		Trichloroethylene	79-01-6
		Trichlorofluoromethane	75-69-4
		Vinyl chloride (Chloroethylene)	75-01-4
17	Volatiles, Non-Halogenated	Benzene	71-43-2
		Ethylbenzene (NOTE 2)	100-41-4
		Styrene	100-42-5
		Toluene	108-88-3
		o-Xylene	95-47-6
		m-Xylene and p-Xylene	108-38-3
			& 106-42-3
19	Extractables, Base Neutral	Acenaphthene	83-32-9
		5-nitro Acenaphthene	602-87-9
		Acenaphthylene	208-96-8
		Anthracene	120-12-7
		Benz(a)anthracene	56-55-3
		Benzo(a)pyrene	50-32-8
		Benzo(b)fluoranthene	205-99-2
		Benzo(g,h,i)perylene	191-24-2

SCHEDULE A - CHARACTERIZATION PARAMETERS SCHEDULE

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
19	Extractables, Base Neutral (continued)	Benzo(k)fluoranthene	207-08-9
		Camphene	79-92-5
		1-Chloronaphthalene	90-13-1
		2-Chloronaphthalene	91-58-7
		Chrysene	218-01-9
		Dibenz(a,h)anthracene	53-70-3
		Fluoranthene	206-44-0
		Fluorene	86-73-7
		Indeno(1,2,3-cd)pyrene	193-39-5
		Indole	120-72-9
		1-Methylnaphthalene	90-12-0
		2-Methylnaphthalene	91-57-6
		Naphthalene	91-20-3
		Perylene	198-55-0
		Phenanthrene	85-01-8
		Pyrene	129-00-0
		Benzyl butyl phthalate	85-68-7
		Bis(2-ethylhexyl) phthalate	117-81-7
		Di-n-butyl phthalate	84-74-2
		Di-n-octyl phthalate (NOTE 3)	117-84-0
		4-Bromophenyl phenyl ether	101-55-3
		4-Chlorophenyl phenyl ether	7005-72-3
		Bis(2-chloroisopropyl)ether	108-60-1
		Bis(2-chloroethyl)ether	111-44-4
		2,4-Dinitrotoluene	121-14-2
		2,6-Dinitrotoluene	606-20-2
		Bis(2-chloroethoxy)methane	111-91-1
		Diphenylamine	122-39-4
		N-Nitrosodiphenylamine	86-30-6
		N-Nitrosodi-n-propylamine	621-64-7
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol	4901-51-3
		2,3,4,6-Tetrachlorophenol	58-90-2
		2,3,5,6-Tetrachlorophenol	935-95-5
		2,3,4-Trichlorophenol	15950-66-0
		2,3,5-Trichlorophenol	933-78-8
		2,4,5-Trichlorophenol	95-95-4
		2,4,6-Trichlorophenol	88-06-2
		2,4-Dimethyl phenol	105-67-9
		2,4-Dinitrophenol	51-28-5
		2,4-Dichlorophenol	120-83-2
		2,6-Dichlorophenol	87-65-0
		4,6-Dinitro-o-cresol	534-52-1
		2-Chlorophenol	95-57-8
		4-Chloro-3-methylphenol	59-50-7
		4-Nitrophenol	100-02-7

SCHEDULE A - CHARACTERIZATION PARAMETERS SCHEDULE

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
20	Extractables, Acid (Phenolics) (continued)	m-Cresol	108-39-4
		o-Cresol	95-48-7
		p-Cresol	106-44-5
		Pentachlorophenol	87-86-5
		Phenol	108-95-2
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene	634-66-2
		1,2,3,5-Tetrachlorobenzene	634-90-2
		1,2,4,5-Tetrachlorobenzene	95-94-3
		1,2,3-Trichlorobenzene	87-61-6
		1,2,4-Trichlorobenzene	120-82-1
		2,4,5-Trichlorotoluene	6639-30-1
		Hexachlorobenzene	118-74-1
		Hexachlorobutadiene	87-68-3
		Hexachlorocyclopentadiene	77-47-4
		Hexachloroethane	67-72-1
		Octachlorostyrene	29082-74-4
		Pentachlorobenzene	608-93-5
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6
		Octachlorodibenzo-p-dioxin	326-88-7
		Octachlorodibenzofuran	Unavailable
		Total heptachlorinated dibenzo-p-dioxins	Unavailable
		Total heptachlorinated dibenzofurans	Unavailable
		Total hexachlorinated dibenzo-p-dioxins	34465-46-8
		Total hexachlorinated dibenzofurans	Unavailable
		Total pentachlorinated dibenzo-p-dioxins	Unavailable
		Total pentachlorinated dibenzofurans	Unavailable
		Total tetrachlorinated dibenzo-p-dioxins	Unavailable
		Total tetrachlorinated dibenzofurans	Unavailable
25	Solvent Extractables	Oil and grease	
26	Fatty and Resin Acids	Abietic acid	514-10-3
		Chlorodehydroabietic acid	61996-36-7
		Dehydroabietic acid	1740-19-8
		Isopimaric acid	5835-26-7
		Levopimaric acid	79-54-9
		Neoabietic acid	471-77-2
		Oleic acid	112-80-1
		Pimaric acid	127-27-5
27	PCBs (Total)	PCBs (Total)	Unavailable
IS1	Iron	Iron	7439-89-6

SCHEDULE A - CHARACTERIZATION PARAMETERS SCHEDULE

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s

NOTE 1: Total organic carbon is to be analyzed only if the total suspended solids concentration exceeds 15 mg/L.

NOTE 2: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 17 in Schedule 2 and Part B of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.6 µg/L.

NOTE 3: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and Part B of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 2.0 µg/L.

SCHEDULE B - CHARACTERIZATION PARAMETERS SCHEDULES

The following list of parameters apply to: Atlas Specialty Steel
Ivaco Rolling Mills
Lake Ontario Steel Division of CO - Steel Inc.

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
3	Hydrogen ion (pH)	Hydrogen ion (pH)	N/A
4a	Nitrogen	Ammonia plus Ammonium	N/A
		Total Kjeldahl nitrogen	N/A
4b		Nitrate + Nitrite	N/A
5a	Organic carbon	Dissolved organic carbon (DOC)	N/A
5b		Total organic carbon (TOC) (NOTE 1)	N/A
6	Total phosphorus	Total phosphorus	7723-14-0
7	Specific conductance	Specific conductance	N/A
8	Suspended solids	Total suspended solids (TSS)	N/A
		Volatile suspended solids (VSS)	N/A
9	Total metals	Aluminum	7429-90-5
		Beryllium	7440-41-7
		Cadmium	7440-43-9
		Chromium	7440-47-3
		Cobalt	7440-48-4
		Copper	7440-50-8
		Lead	7439-92-1
		Molybdenum	7439-98-7
		Nickel	7440-02-0
		Silver	7440-22-4
		Thallium	7440-28-0
		Vanadium	7440-62-2
		Zinc	7440-66-6
10	Hydrides	Antimony	7440-36-0
		Arsenic	7440-38-2
		Selenium	7782-49-2
11	Chromium (Hexavalent)	Chromium (Hexavalent)	7440-47-3
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane	79-34-5
		1,1,2-Trichloroethane	79-00-5
		1,1-Dichloroethane	75-34-3
		1,1-Dichloroethylene	75-35-4

SCHEDULE B - CHARACTERIZATION PARAMETERS SCHEDULES

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
16	Volatiles, Halogenated (continued)	1,2-Dichlorobenzene	95-50-1
		1,2-Dichloroethane (Ethylene dichloride)	107-06-2
		1,2-Dichloropropane	78-87-5
		1,3-Dichlorobenzene	541-73-1
		1,4-Dichlorobenzene	106-46-7
		Bromoform	75-25-2
		Bromomethane	74-83-9
		Carbon tetrachloride	56-23-5
		Chlorobenzene	108-90-7
		Chloroform	67-66-3
		Chloromethane	74-87-3
		Cis-1,3-Dichloropropylene	10061-01-5
		Dibromochloromethane	124-48-1
		Ethylene dibromide	106-93-4
		Methylene chloride	75-09-2
		Tetrachloroethylene (Perchloroethylene)	127-18-4
		Trans-1,2-Dichloroethylene	156-60-5
		Trans-1,3-Dichloropropylene	10061-02-6
		Trichloroethylene	79-01-6
		Trichlorofluoromethane	75-69-4
		Vinyl chloride (Chloroethylene)	75-01-4
17	Volatiles, Non-Halogenated	Benzene	71-43-2
		Ethylbenzene (NOTE 2)	100-41-4
		Styrene	100-42-5
		Toluene	108-88-3
		o-Xylene	95-47-6
		m-Xylene and p-Xylene	108-38-3
			& 106-42-3
19	Extractables, Base Neutral	Acenaphthene	83-32-9
		5-nitro Acenaphthene	602-87-9
		Acenaphthylene	208-96-8
		Anthracene	120-12-7
		Benz(a)anthracene	56-55-3
		Benzo(a)pyrene	50-32-8
		Benzo(b)fluoranthene	205-99-2
		Benzo(g,h,i)perylene	191-24-2
		Benzo(k)fluoranthene	207-08-9
		Camphene	79-92-5
		1-Chloronaphthalene	90-13-1
		2-Chloronaphthalene	91-58-7
		Chrysene	218-01-9
		Dibenz(a,h)anthracene	53-70-3
		Fluoranthene	206-44-0
		Fluorene	86-73-7

SCHEDULE B - CHARACTERIZATION PARAMETERS SCHEDULES

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
19	Extractables, Base Neutral (continued)	Indeno(1,2,3-cd)pyrene	193-39-5
		Indole	120-72-9
		1-Methylnaphthalene	90-12-0
		2-Methylnaphthalene	91-57-6
		Naphthalene	91-20-3
		Perylene	198-55-0
		Phenanthrene	85-01-8
		Pyrene	129-00-0
		Benzyl butyl phthalate	85-68-7
		Bis(2-ethylhexyl) phthalate	117-81-7
		Di-n-butyl phthalate	84-74-2
		Di-n-octyl phthalate (NOTE 3)	117-84-0
		4-Bromophenyl phenyl ether	101-55-3
		4-Chlorophenyl phenyl ether	7005-72-3
		Bis(2-chloroisopropyl)ether	108-60-1
		Bis(2-chloroethyl)ether	111-44-4
		2,4-Dinitrotoluene	121-14-2
		2,6-Dinitrotoluene	606-20-2
		Bis(2-chloroethoxy)methane	111-91-1
		Diphenylamine	122-39-4
		N-Nitrosodiphenylamine	86-30-6
		N-Nitrosodi-n-propylamine	621-64-7
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol	4901-51-3
		2,3,4,6-Tetrachlorophenol	58-90-2
		2,3,5,6-Tetrachlorophenol	935-95-5
		2,3,4-Trichlorophenol	15950-66-0
		2,3,5-Trichlorophenol	933-78-8
		2,4,5-Trichlorophenol	95-95-4
		2,4,6-Trichlorophenol	88-06-2
		2,4-Dimethyl phenol	105-67-9
		2,4-Dinitrophenol	51-28-5
		2,4-Dichlorophenol	120-83-2
		2,6-Dichlorophenol	87-65-0
		4,6-Dinitro-o-cresol	534-52-1
		2-Chlorophenol	95-57-8
		4-Chloro-3-methylphenol	59-50-7
		4-Nitrophenol	100-02-7
		m-Cresol	108-39-4
		o-Cresol	95-48-7
		p-Cresol	106-44-5
		Pentachlorophenol	87-86-5
		Phenol	108-95-2

ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene	634-66-2
		1,2,3,5-Tetrachlorobenzene	634-90-2
		1,2,4,5-Tetrachlorobenzene	95-94-3
		1,2,3-Trichlorobenzene	87-61-6
		1,2,4-Trichlorobenzene	120-82-1
		2,4,5-Trichlorotoluene	6639-30-1
		Hexachlorobenzene	118-74-1
		Hexachlorobutadiene	87-68-3
		Hexachlorocyclopentadiene	77-47-4
		Hexachloroethane	67-72-1
		Octachlorostyrene	29082-74-4
		Pentachlorobenzene	608-93-5
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6
		Octachlorodibenzo-p-dioxin	326-88-7
		Octachlorodibenzofuran	Unavailable
		Total heptachlorinated dibenzo-p-dioxins	Unavailable
		Total heptachlorinated dibenzofurans	Unavailable
		Total hexachlorinated dibenzo-p-dioxins	34465-46-8
		Total hexachlorinated dibenzofurans	Unavailable
		Total pentachlorinated dibenzo-p-dioxins	Unavailable
		Total pentachlorinated dibenzofurans	Unavailable
		Total tetrachlorinated dibenzo-p-dioxins	Unavailable
		Total tetrachlorinated dibenzofurans	Unavailable
25	Solvent Extractables	Oil and grease	
27	PCBs (Total)	PCBs (Total)	Unavailable
IS1	Iron	Iron	7439-89-6

NOTE 1: Total organic carbon is to be analyzed only if the total suspended solids concentration exceeds 15 mg/L.

NOTE 2: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 17 in Schedule 2 and Part B of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.6 µg/L.

NOTE 3: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and Part B of Schedule 3 to the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 2.0 µg/L.

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	By-Products Area		#2 Thickener	#1 Thickener	#1 Tube Mill				#2 Tube Mill			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No		No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No		No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No		No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	Yes		No	No	No				No			
		FREQUENCY OF SAMPLING:	TW	M	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
2	Total cyanide	Total cyanide	●●●		●●●	●●●				●●●				●●●
3	Hydrogen ion (pH)	Hydrogen ion (pH)				●●●	●●●				●●●			
4a	Nitrogen	Ammonia plus Ammonium	●●●		●●●	●●●				●●●				●●●
		Total Kjeldahl nitrogen												
4b		Nitrate + Nitrite												
5a	Organic carbon	Dissolved organic carbon (DOC)							●●●				●●●	
5b		Total organic carbon (TOC)												
6	Total phosphorus	Total phosphorus							●●●				●●●	
7	Specific conductance	Specific conductance					●●●				●●●			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●		●●●	●●●	●●●				●●●			
		Volatile suspended solids (VSS)	●●●		●●●	●●●	●●●				●●●			
9	Total metals	Aluminum								●●●				●●●
		Beryllium								●●●				●●●
		Cadmium								●●●				●●●
		Chromium				●●●				●●●				●●●
		Cobalt								●●●				●●●
		Copper								●●●				●●●
		Lead				●●●		●●●				●●●		

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	By-Products Area		#2 Thickener	#1 Thickener	#1 Tube Mill				#2 Tube Mill			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No		No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No		No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No		No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	Yes		No	No	No				No			
		FREQUENCY OF SAMPLING:	TW	M	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
9	Total metals (continued)	Molybdenum								●●●				●●●
		Nickel								●●●				●●●
		Silver								●●●				●●●
		Thallium								●●●				●●●
		Vanadium								●●●				●●●
		Zinc			●●●	●●●		●●●				●●●		
10	Hydrides	Antimony												
		Arsenic												
		Selenium												
12	Mercury	Mercury												
14	Phenolics (4AAP)	Phenolics (4AAP)	●●●		●●●	●●●				●●●				●●●
15	Sulphide	Sulphide												
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane								●●●				●●●
		1,1,2-Trichloroethane								●●●				●●●
		1,1-Dichloroethane								●●●				●●●
		1,1-Dichloroethylene								●●●				●●●
		1,2-Dichlorobenzene								●●●				●●●
		1,2-Dichloroethane (Ethylene dichloride)								●●●				●●●
		1,2-Dichloropropane								●●●				●●●
		1,3-Dichlorobenzene								●●●				●●●
		1,4-Dichlorobenzene								●●●				●●●
		Bromoform								●●●				●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	By-Products Area		#2 Thickener	#1 Thickener	#1 Tube Mill				#2 Tube Mill			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No		No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No		No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No		No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	Yes		No	No	No				No			
		FREQUENCY OF SAMPLING:	TW	M	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
16	Volatiles, Halogenated (continued)	Bromomethane								●●●				●●●
		Carbon tetrachloride								●●●				●●●
		Chlorobenzene								●●●				●●●
		Chloroform								●●●				●●●
		Chloromethane								●●●				●●●
		Cis-1,3-Dichloropropylene								●●●				●●●
		Dibromochloromethane								●●●				●●●
		Ethylene dibromide								●●●				●●●
		Methylene chloride								●●●				●●●
		Tetrachloroethylene (Perchloroethylene)								●●●				●●●
		Trans-1,2-Dichloroethylene								●●●				●●●
		Trans-1,3-Dichloropropylene								●●●				●●●
		Trichloroethylene								●●●				●●●
		Trichlorofluoromethane								●●●				●●●
		Vinyl chloride (Chloroethylene)								●●●				●●●
17	Volatiles, Non-Halogenated	Benzene	●●●											
		Ethylbenzene		●●●										
		Styrene		●●●										
		Toluene		●●●										
		o-Xylene		●●●										
		m-Xylene and p-Xylene		●●●										
19	Extractables, Base Neutral	Acenaphthene		●●●						●●●				●●●
		5-nitro Acenaphthene		●●●						●●●				●●●
		Acenaphthylene		●●●						●●●				●●●
		Anthracene		●●●						●●●				●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	By-Products Area		#2 Thickener	#1 Thickener	#1 Tube Mill				#2 Tube Mill			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No		No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No		No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No		No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	Yes		No	No	No				No			
		FREQUENCY OF SAMPLING:	TW	M	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
19	Extractables, Base Neutral (continued)	Benz(a)anthracene		●●●						●●●				●●●
		Benzo(a)pyrene	●●●							●●●				●●●
		Benzo(b)fluoranthene		●●●						●●●				●●●
		Benzo(g,h,i)perylene		●●●						●●●				●●●
		Benzo(k)fluoranthene		●●●						●●●				●●●
		Camphene		●●●						●●●				●●●
		1-Chloronaphthalene		●●●						●●●				●●●
		2-Chloronaphthalene		●●●						●●●				●●●
		Chrysene		●●●						●●●				●●●
		Dibenz(a,h)anthracene		●●●						●●●				●●●
		Fluoranthene		●●●						●●●				●●●
		Fluorene		●●●						●●●				●●●
		Indeno(1,2,3-cd)pyrene		●●●						●●●				●●●
		Indole		●●●						●●●				●●●
		1-Methylnaphthalene		●●●						●●●				●●●
		2-Methylnaphthalene		●●●						●●●				●●●
		Naphthalene	●●●							●●●				●●●
		Perylene		●●●						●●●				●●●
		Phenanthrene		●●●						●●●				●●●
		Pyrene		●●●						●●●				●●●
		Benzyl butyl phthalate		●●●						●●●				●●●
		Bis(2-ethylhexyl) phthalate		●●●						●●●				●●●
		Di-n-butyl phthalate		●●●						●●●				●●●
		Di-n-octyl phthalate		●●●						●●●				●●●
		4-Bromophenyl phenyl ether		●●●						●●●				●●●
		4-Chlorophenyl phenyl ether		●●●						●●●				●●●
		Bis(2-chloroisopropyl)ether		●●●						●●●				●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	By-Products Area		#2 Thickener	#1 Thickener	#1 Tube Mill				#2 Tube Mill			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No		No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No		No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No		No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	Yes		No	No	No				No			
		FREQUENCY OF SAMPLING:	TW	M	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
19	Extractables, Base Neutral (continued)	Bis(2-chloroethyl)ether		●●●						●●●				●●●
		2,4-Dinitrotoluene		●●●						●●●				●●●
		2,6-Dinitrotoluene		●●●						●●●				●●●
		Bis(2-chloroethoxy)methane		●●●						●●●				●●●
		Diphenylamine		●●●						●●●				●●●
		N-Nitrosodiphenylamine		●●●						●●●				●●●
		N-Nitrosodi-n-propylamine		●●●						●●●				●●●
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol												
		2,3,4,6-Tetrachlorophenol												
		2,3,5,6-Tetrachlorophenol												
		2,3,4-Trichlorophenol												
		2,3,5-Trichlorophenol												
		2,4,5-Trichlorophenol												
		2,4,6-Trichlorophenol												
		2,4-Dimethyl phenol												
		2,4-Dinitrophenol												
		2,4-Dichlorophenol												
		2,6-Dichlorophenol												
		4,6-Dinitro-o-cresol												
		2-Chlorophenol												
		4-Chloro-3-methylphenol												
		4-Nitrophenol												

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	By-Products Area		#2 Thickener	#1 Thickener	#1 Tube Mill				#2 Tube Mill			
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No		No	No	Yes				Yes			
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No		No	No	Yes				Yes			
		MONITORING REQUIRED FOR ATGs 24 and 27:	No		No	No	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	No	Yes				Yes			
		QUALITY CONTROL MONITORING REQUIRED:	Yes		No	No	No				No			
		FREQUENCY OF SAMPLING:	TW	M	TW	TW	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
20	Extractables, Acid (Phenolics) (continued)	m-Cresol												
		o-Cresol												
		p-Cresol												
		Pentachlorophenol												
		Phenol												
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene								●●●				●●●
		1,2,3,5-Tetrachlorobenzene								●●●				●●●
		1,2,4,5-Tetrachlorobenzene								●●●				●●●
		1,2,3-Trichlorobenzene								●●●				●●●
		1,2,4-Trichlorobenzene								●●●				●●●
		2,4,5-Trichlorotoluene								●●●				●●●
		Hexachlorobenzene								●●●				●●●
		Hexachlorobutadiene								●●●				●●●
		Hexachlorocyclopentadiene								●●●				●●●
		Hexachloroethane								●●●				●●●
		Octachlorostyrene								●●●				●●●
		Pentachlorobenzene								●●●				●●●
25	Solvent Extractables	Oil and grease	●●●			●●●	●●●				●●●			
IS1	Iron	Iron							●●●				●●●	

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Terminal Settling Basins				Bar & Strip Lagoon Outfall				Cold Mill 24"			Cold Mill 20"		
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes				Yes			Yes		
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes				Yes			Yes		
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				Yes				No			No		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No			No		
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			No		
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	W	M	D	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED														
2	Total cyanide	Total cyanide	●●●				●●●						●●●			●●●
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●				●●●				●●●			●●●		
4a	Nitrogen	Ammonia plus Ammonium	●●●						●●●				●●●			●●●
		Total Kjeldahl nitrogen														
4b		Nitrate + Nitrite														
5a	Organic carbon	Dissolved organic carbon (DOC)		●●●				●●●					●●●			●●●
5b		Total organic carbon (TOC)														
6	Total phosphorus	Total phosphorus			●●●				●●●				●●●			●●●
7	Specific conductance	Specific conductance	●●●				●●●									
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●				●●●				●●●			●●●		
		Volatile suspended solids (VSS)	●●●				●●●				●●●			●●●		
9	Total metals	Aluminum				●●●				●●●						
		Beryllium				●●●				●●●						
		Cadmium				●●●				●●●						
		Chromium				●●●				●●●			●●●			●●●
		Cobalt				●●●				●●●						
		Copper				●●●				●●●						
		Lead				●●●				●●●			●●●			●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Terminal Settling Basins				Bar & Strip Lagoon Outfall				Cold Mill 24"			Cold Mill 20"		
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes				Yes			Yes		
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes				Yes			Yes		
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				Yes				No			No		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No			No		
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			No		
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	W	M	D	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED														
9	Total metals (continued)	Molybdenum				●●●				●●●						
		Nickel				●●●				●●●						
		Silver				●●●				●●●						
		Thallium				●●●				●●●						
		Vanadium				●●●				●●●						
		Zinc				●●●	●●●						●●●			●●●
10	Hydrides	Antimony				●●●				●●●						
		Arsenic				●●●				●●●						
		Selenium				●●●				●●●						
12	Mercury	Mercury				●●●										
14	Phenolics (4AAP)	Phenolics (4AAP)	●●●				●●●						●●●			●●●
15	Sulphide	Sulphide	●●●													
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				●●●				●●●						
		1,1,2-Trichloroethane				●●●				●●●						
		1,1-Dichloroethane				●●●				●●●						
		1,1-Dichloroethylene				●●●				●●●						
		1,2-Dichlorobenzene				●●●				●●●						
		1,2-Dichloroethane (Ethylene dichloride)				●●●				●●●						
		1,2-Dichloropropane				●●●				●●●						
		1,3-Dichlorobenzene				●●●				●●●						
		1,4-Dichlorobenzene				●●●				●●●						
		Bromoform				●●●				●●●						

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Terminal Settling Basins				Bar & Strip Lagoon Outfall				Cold Mill 24"			Cold Mill 20"		
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes				Yes			Yes		
		CHARACTERIZATION SAMPLING REQUIRED (except for AT6s 24 and 27):	Yes				Yes				Yes			Yes		
		MONITORING REQUIRED FOR AT6s 24 and 27:	Yes				Yes				No			No		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No			No		
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			No		
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	W	M	D	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED														
16	Volatiles, Halogenated (continued)	Bromomethane				●●●				●●●						
		Carbon tetrachloride				●●●				●●●						
		Chlorobenzene				●●●				●●●						
		Chloroform				●●●				●●●						
		Chloromethane				●●●				●●●						
		Cis-1,3-Dichloropropylene				●●●				●●●						
		Dibromochloromethane				●●●				●●●						
		Ethylene dibromide				●●●				●●●						
		Methylene chloride				●●●				●●●						
		Tetrachloroethylene (Perchloroethylene)				●●●				●●●						
		Trans-1,2-Dichloroethylene				●●●				●●●						
		Trans-1,3-Dichloropropylene				●●●				●●●						
		Trichloroethylene				●●●				●●●						
		Trichlorofluoromethane				●●●				●●●						
		Vinyl chloride (Chloroethylene)				●●●				●●●						
17	Volatiles, Non-Halogenated	Benzene				●●●				●●●						
		Ethylbenzene				●●●				●●●						
		Styrene				●●●				●●●						
		Toluene				●●●				●●●						
		o-Xylene				●●●				●●●						
		m-Xylene and p-Xylene				●●●				●●●						
19	Extractables, Base Neutral	Acenaphthene				●●●				●●●						
		5-nitro Acenaphthene				●●●				●●●						
		Acenaphthylene				●●●				●●●						
		Anthracene				●●●				●●●						

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Terminal Settling Basins				Bar & Strip Lagoon Outfall				Cold Mill 24"			Cold Mill 20"		
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes				Yes			Yes		
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes				Yes			Yes		
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				Yes				No			No		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No			No		
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			No		
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	W	M	D	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED														
19	Extractables, Base Neutral (continued)	Benz(a)anthracene				●●●				●●●						
		Benzo(a)pyrene				●●●				●●●						
		Benzo(b)fluoranthene				●●●				●●●						
		Benzo(g,h,I)perylene				●●●				●●●						
		Benzo(k)fluoranthene				●●●				●●●						
		Camphene				●●●				●●●						
		1-Chloronaphthalene				●●●				●●●						
		2-Chloronaphthalene				●●●				●●●						
		Chrysene				●●●				●●●						
		Dibenz(a,h)anthracene				●●●				●●●						
		Fluoranthene				●●●				●●●						
		Fluorene				●●●				●●●						
		Indeno(1,2,3-cd)pyrene				●●●				●●●						
		Indole				●●●				●●●						
		1-Methylnaphthalene				●●●				●●●						
		2-Methylnaphthalene				●●●				●●●						
		Naphthalene				●●●				●●●						
		Perylene				●●●				●●●						
		Phenanthrene				●●●				●●●						
		Pyrene				●●●				●●●						
		Benzyl butyl phthalate				●●●				●●●						
		Bis(2-ethylhexyl) phthalate				●●●				●●●						
		Di-n-butyl phthalate				●●●				●●●						
		Di-n-octyl phthalate				●●●				●●●						
		4-Bromophenyl phenyl ether				●●●				●●●						
		4-Chlorophenyl phenyl ether				●●●				●●●						
		Bis(2-chloroisopropyl)ether				●●●				●●●						

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Terminal Settling Basins				Bar & Strip Lagoon Outfall				Cold Mill 24"			Cold Mill 20"		
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes				Yes			Yes		
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes				Yes			Yes		
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				Yes				No			No		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No			No		
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			No		
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	W	M	D	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED														
19	Extractables, Base Neutral (continued)	Bis(2-chloroethyl)ether				●●●				●●●						
		2,4-Dinitrotoluene				●●●				●●●						
		2,6-Dinitrotoluene				●●●				●●●						
		Bis(2-chloroethoxy)methane				●●●				●●●						
		Diphenylamine				●●●				●●●						
		N-Nitrosodiphenylamine				●●●				●●●						
		N-Nitrosodi-n-propylamine				●●●				●●●						
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				●●●				●●●						
		2,3,4,6-Tetrachlorophenol				●●●				●●●						
		2,3,5,6-Tetrachlorophenol				●●●				●●●						
		2,3,4-Trichlorophenol				●●●				●●●						
		2,3,5-Trichlorophenol				●●●				●●●						
		2,4,5-Trichlorophenol				●●●				●●●						
		2,4,6-Trichlorophenol				●●●				●●●						
		2,4-Dimethyl phenol				●●●				●●●						
		2,4-Dinitrophenol				●●●				●●●						
		2,4-Dichlorophenol				●●●				●●●						
		2,6-Dichlorophenol				●●●				●●●						
		4,6-Dinitro-o-cresol				●●●				●●●						
		2-Chlorophenol				●●●				●●●						
		4-Chloro-3-methylphenol				●●●				●●●						
		4-Nitrophenol				●●●				●●●						

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Terminal Settling Basins				Bar & Strip Lagoon Outfall				Cold Mill 24"			Cold Mill 20"		
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				Yes				Yes			Yes		
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				Yes				Yes			Yes		
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				Yes				No			No		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No			No		
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			No		
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	W	M	D	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED														
20	Extractables, Acid (Phenolics) (continued)	m-Cresol				●●●				●●●						
		o-Cresol				●●●				●●●						
		p-Cresol				●●●				●●●						
		Pentachlorophenol				●●●				●●●						
		Phenol				●●●				●●●						
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				●●●				●●●						
		1,2,3,5-Tetrachlorobenzene				●●●				●●●						
		1,2,4,5-Tetrachlorobenzene				●●●				●●●						
		1,2,3-Trichlorobenzene				●●●				●●●						
		1,2,4-Trichlorobenzene				●●●				●●●						
		2,4,5-Trichlorotoluene				●●●				●●●						
		Hexachlorobenzene				●●●				●●●						
		Hexachlorobutadiene				●●●				●●●						
		Hexachlorocyclopentadiene				●●●				●●●						
		Hexachloroethane				●●●				●●●						
		Octachlorostyrene				●●●				●●●						
		Pentachlorobenzene				●●●				●●●						
25	Solvent Extractables	Oil and grease	●●●				●●●					●●●			●●●	
IS1	Iron	Iron			●●●				●●●			●●●				●●●

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	60" Sewer Outfall			30" Sewer Outfall			#2 Steel Making Cooling Tower	Coke Oven Condenser	Boiler House	Cold Mill Storm Sewer Outfall
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes			Yes			Yes	Yes	Yes	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes			Yes			Yes	Yes	Yes	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			No			No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			No			No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No			Yes			No	No	No	No
		FREQUENCY OF SAMPLING:	D	W	M	D	W	M	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
2	Total cyanide	Total cyanide			●●●			●●●	●●●	●●●	●●●	●●●
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●			●●●			●●●	●●●	●●●	●●●
4a	Nitrogen	Ammonia plus Ammonium			●●●			●●●	●●●	●●●	●●●	●●●
		Total Kjeldahl nitrogen										
4b		Nitrate + Nitrite										
5a	Organic carbon	Dissolved organic carbon (DOC)			●●●			●●●	●●●	●●●	●●●	
5b		Total organic carbon (TOC)										
6	Total phosphorus	Total phosphorus			●●●			●●●	●●●	●●●	●●●	
7	Specific conductance	Specific conductance										
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●			●●●			●●●	●●●	●●●	●●●
		Volatile suspended solids (VSS)	●●●			●●●			●●●	●●●	●●●	●●●
9	Total metals	Aluminum										
		Beryllium										
		Cadmium										
		Chromium			●●●			●●●	●●●	●●●	●●●	●●●
		Cobalt										
		Copper										
		Lead			●●●			●●●	●●●	●●●	●●●	●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	60" Sewer Outfall			30" Sewer Outfall			#2 Steel Making Cooling Tower	Coke Oven Condenser	Boiler House	Cold Mill Storm Sewer Outfall
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes			Yes			Yes	Yes	Yes	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes			Yes			Yes	Yes	Yes	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			No			No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			No			No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No			Yes			No	No	No	No
		FREQUENCY OF SAMPLING:	D	W	M	D	W	M	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
9	Total metals (continued)	Molybdenum										
		Nickel										
		Silver										
		Thallium										
		Vanadium										
		Zinc			●●●			●●●	●●●	●●●	●●●	●●●
10	Hydrides	Antimony										
		Arsenic										
		Selenium										
12	Mercury	Mercury										
14	Phenolics (4AAP)	Phenolics (4AAP)			●●●			●●●	●●●	●●●	●●●	●●●
15	Sulphide	Sulphide										
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane										
		1,1,2-Trichloroethane										
		1,1-Dichloroethane										
		1,1-Dichloroethylene										
		1,2-Dichlorobenzene										
		1,2-Dichloroethane (Ethylene dichloride)										
		1,2-Dichloropropane										
		1,3-Dichlorobenzene										
		1,4-Dichlorobenzene										
		Bromoform										

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	60" Sewer Outfall			30" Sewer Outfall			#2 Steel Making Cooling Tower	Coke Oven Condenser	Boiler House	Cold Mill Storm Sewer Outfall
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes			Yes			Yes	Yes	Yes	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes			Yes			Yes	Yes	Yes	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			No			No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			No			No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No			Yes			No	No	No	No
		FREQUENCY OF SAMPLING:	D	W	M	D	W	M	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
16	Volatiles, Halogenated (continued)	Bromomethane										
		Carbon tetrachloride										
		Chlorobenzene										
		Chloroform										
		Chloromethane										
		Cis-1,3-Dichloropropylene										
		Dibromochloromethane										
		Ethylene dibromide										
		Methylene chloride										
		Tetrachloroethylene (Perchloroethylene)										
		Trans-1,2-Dichloroethylene										
		Trans-1,3-Dichloropropylene										
		Trichloroethylene										
		Trichlorofluoromethane										
		Vinyl chloride (Chloroethylene)										
17	Volatiles, Non-Halogenated	Benzene										●●●
		Ethylbenzene										
		Styrene										
		Toluene										
		o-Xylene										
		m-Xylene and p-Xylene										
19	Extractables, Base Neutral	Acenaphthene										
		5-nitro Acenaphthene										
		Acenaphthylene										
		Anthracene										

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	60" Sewer Outfall			30" Sewer Outfall			#2 Steel Making Cooling Tower	Coke Oven Condenser	Boiler House	Cold Mill Storm Sewer Outfall
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes			Yes			Yes	Yes	Yes	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes			Yes			Yes	Yes	Yes	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			No			No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			No			No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No			Yes			No	No	No	No
		FREQUENCY OF SAMPLING:	D	W	M	D	W	M	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
19	Extractables, Base Neutral (continued)	Benz(a)anthracene										
		Benzo(a)pyrene										●●●
		Benzo(b)fluoranthene										
		Benzo(g,h,I)perylene										
		Benzo(k)fluoranthene										
		Camphene										
		1-Chloronaphthalene										
		2-Chloronaphthalene										
		Chrysene										
		Dibenz(a,h)anthracene										
		Fluoranthene										
		Fluorene										
		Indeno(1,2,3-cd)pyrene										
		Indole										
		1-Methylnaphthalene										
		2-Methylnaphthalene										
		Naphthalene										●●●
		Perylene										
		Phenanthrene										
		Pyrene										
		Benzyl butyl phthalate										
		Bis(2-ethylhexyl) phthalate										
		Di-n-butyl phthalate										
		Di-n-octyl phthalate										
		4-Bromophenyl phenyl ether										
		4-Chlorophenyl phenyl ether										
		Bis(2-chloroisopropyl)ether										

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	60" Sewer Outfall			30" Sewer Outfall			#2 Steel Making Cooling Tower	Coke Oven Condenser	Boiler House	Cold Mill Storm Sewer Outfall
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes			Yes			Yes	Yes	Yes	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes			Yes			Yes	Yes	Yes	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			No			No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			No			No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No			Yes			No	No	No	No
		FREQUENCY OF SAMPLING:	D	W	M	D	W	M	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
19	Extractables, Base Neutral (continued)	Bis(2-chloroethyl)ether										
		2,4-Dinitrotoluene										
		2,6-Dinitrotoluene										
		Bis(2-chloroethoxy)methane										
		Diphenylamine										
		N-Nitrosodiphenylamine										
		N-Nitrosodi-n-propylamine										
20	Extractables, Acid (Phenolics	2,3,4,5-Tetrachlorophenol										
		2,3,4,6-Tetrachlorophenol										
		2,3,5,6-Tetrachlorophenol										
		2,3,4-Trichlorophenol										
		2,3,5-Trichlorophenol										
		2,4,5-Trichlorophenol										
		2,4,6-Trichlorophenol										
		2,4-Dimethyl phenol										
		2,4-Dinitrophenol										
		2,4-Dichlorophenol										
		2,6-Dichlorophenol										
		4,6-Dinitro-o-cresol										
		2-Chlorophenol										
		4-Chloro-3-methylphenol										
		4-Nitrophenol										

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	60" Sewer Outfall			30" Sewer Outfall			*2 Steel Making Cooling Tower	Coke Oven Condenser	Boiler House	Cold Mill Storm Sewer Outfall
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes			Yes			Yes	Yes	Yes	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes			Yes			Yes	Yes	Yes	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No			No			No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No			No			No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No			Yes			No	No	No	No
		FREQUENCY OF SAMPLING:	D	W	M	D	W	M	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
20	Extractables, Acid (Phenolics) (continued)	m-Cresol										
		o-Cresol										
		p-Cresol										
		Pentachlorophenol										
		Phenol										
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene										
		1,2,3,5-Tetrachlorobenzene										
		1,2,4,5-Tetrachlorobenzene										
		1,2,3-Trichlorobenzene										
		1,2,4-Trichlorobenzene										
		2,4,5-Trichlorotoluene										
		Hexachlorobenzene										
		Hexachlorobutadiene										
		Hexachlorocyclopentadiene										
		Hexachloroethane										
		Octachlorostyrene										
		Pentachlorobenzene										
25	Solvent Extractables	Oil and grease			●●●			●●●	●●●	●●●	●●●	●●●
IS1	Iron	Iron		●●●			●●●		●●●	●●●	●●●	●●●

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Emergency Thickener	24" Coke Quench
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
2	Total cyanide	Total cyanide	●●●	●●●
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●	●●●
4a	Nitrogen	Ammonia plus Ammonium	●●●	●●●
		Total Kjeldahl nitrogen		
4b		Nitrate + Nitrite		
5a	Organic carbon	Dissolved organic carbon (DOC)		
5b		Total organic carbon (TOC)		
6	Total phosphorus	Total phosphorus		
7	Specific conductance	Specific conductance		
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●	●●●
		Volatile suspended solids (VSS)	●●●	●●●
9	Total metals	Aluminum		
		Beryllium		
		Cadmium		
		Chromium	●●●	●●●
		Cobalt		
		Copper		
		Lead	●●●	●●●

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Emergency Thickener	24" Coke Quench
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
9	Total metals (continued)	Molybdenum		
		Nickel		
		Silver		
		Thallium		
		Vanadium		
		Zinc	●●●	●●●
10	Hydrides	Antimony		
		Arsenic		
		Selenium		
12	Mercury	Mercury		
14	Phenolics (4AAP)	Phenolics (4AAP)	●●●	●●●
15	Sulphide	Sulphide		
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane		
		1,1,2-Trichloroethane		
		1,1-Dichloroethane		
		1,1-Dichloroethylene		
		1,2-Dichlorobenzene		
		1,2-Dichloroethane (Ethylene dichloride)		
		1,2-Dichloropropane		
		1,3-Dichlorobenzene		
		1,4-Dichlorobenzene		
		Bromoform		

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Emergency Thickener	24" Coke Quench
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for AT6s 24 and 27):	No	No
		MONITORING REQUIRED FOR AT6s 24 and 27:	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
16	Volatiles, Halogenated (continued)	Bromomethane		
		Carbon tetrachloride		
		Chlorobenzene		
		Chloroform		
		Chloromethane		
		Cis-1,3-Dichloropropylene		
		Dibromochloromethane		
		Ethylene dibromide		
		Methylene chloride		
		Tetrachloroethylene (Perchloroethylene)		
		Trans-1,2-Dichloroethylene		
		Trans-1,3-Dichloropropylene		
		Trichloroethylene		
		Trichlorofluoromethane		
		Vinyl chloride (Chloroethylene)		
17	Volatiles, Non-Halogenated	Benzene	●●●	●●●
		Ethylbenzene		
		Styrene		
		Toluene		
		o-Xylene		
		m-Xylene and p-Xylene		
19	Extractables, Base Neutral	Acenaphthene		
		5-nitro Acenaphthene		
		Acenaphthylene		
		Anthracene		

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Emergency Thickener	24" Coke Quench
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
19	Extractables, Base Neutral (continued)	Benz(a)anthracene		
		Benzo(a)pyrene	●●●	●●●
		Benzo(b)fluoranthene		
		Benzo(g,h,i)perylene		
		Benzo(k)fluoranthene		
		Camphene		
		1-Chloronaphthalene		
		2-Chloronaphthalene		
		Chrysene		
		Dibenz(a,h)anthracene		
		Fluoranthene		
		Fluorene		
		Indeno(1,2,3-cd)pyrene		
		Indole		
		1-Methylnaphthalene		
		2-Methylnaphthalene		
		Naphthalene	●●●	●●●
		Perylene		
		Phenanthrene		
		Pyrene		
		Benzyl butyl phthalate		
		Bis(2-ethylhexyl) phthalate		
		Di-n-butyl phthalate		
		Di-n-octyl phthalate		
		4-Bromophenyl phenyl ether		
		4-Chlorophenyl phenyl ether		
		Bis(2-chloroisopropyl)ether		

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Emergency Thickener	24" Coke Quench
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
19	Extractables, Base Neutral (continued)	Bis(2-chloroethyl)ether		
		2,4-Dinitrotoluene		
		2,6-Dinitrotoluene		
		Bis(2-chloroethoxy)methane		
		Diphenylamine		
		N-Nitrosodiphenylamine		
		N-Nitrosodi-n-propylamine		
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol		
		2,3,4,6-Tetrachlorophenol		
		2,3,5,6-Tetrachlorophenol		
		2,3,4-Trichlorophenol		
		2,3,5-Trichlorophenol		
		2,4,5-Trichlorophenol		
		2,4,6-Trichlorophenol		
		2,4-Dimethyl phenol		
		2,4-Dinitrophenol		
		2,4-Dichlorophenol		
		2,6-Dichlorophenol		
		4,6-Dinitro-o-cresol		
		2-Chlorophenol		
		4-Chloro-3-methylphenol		
		4-Nitrophenol		

SCHEDULE 1: ALGOMA STEEL

		NAME OF EFFLUENT STREAM:	Emergency Thickener	24" Coke Quench
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
20	Extractables, Acid (Phenolics) (continued)	m-Cresol		
		o-Cresol		
		p-Cresol		
		Pentachlorophenol		
		Phenol		
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene		
		1,2,3,5-Tetrachlorobenzene		
		1,2,4,5-Tetrachlorobenzene		
		1,2,3-Trichlorobenzene		
		1,2,4-Trichlorobenzene		
		2,4,5-Trichlorotoluene		
		Hexachlorobenzene		
		Hexachlorobutadiene		
		Hexachlorocyclopentadiene		
		Hexachloroethane		
		Octachlorostyrene		
		Pentachlorobenzene		
25	Solvent Extractables	Oil and grease	●●●	●●●
IS1	Iron	Iron	●●●	●●●

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	Waste Acid Solidification Plant	North Plant Treatment	CEVAM	42" Sewer				Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No	Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No	Yes	No	Yes				No
		FREQUENCY OF SAMPLING:	W	TW	TW	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●	●●●	●●●	●●●				●●●
5a	Organic carbon	Dissolved organic carbon (DOC)					●●●			
5b		Total organic carbon (TOC)								
6	Total phosphorus	Total phosphorus						●●●		
7	Specific conductance	Specific conductance				●●●				
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●	●●●	●●●	●●●				●●●
		Volatile suspended solids (VSS)	●●●	●●●	●●●	●●●				●●●
9	Total metals	Aluminum	●●●						●●●	
		Beryllium	●●●						●●●	
		Cadmium	●●●						●●●	
		Chromium	●●●	●●●	●●●				●●●	
		Cobalt	●●●						●●●	
		Copper	●●●						●●●	
		Lead	●●●						●●●	
		Molybdenum	●●●						●●●	
		Nickel	●●●	●●●	●●●				●●●	●●●
		Silver	●●●						●●●	
		Thallium	●●●						●●●	
		Vanadium	●●●						●●●	
		Zinc	●●●	●●●	●●●				●●●	●●●

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	Waste Acid Solidification Plant	North Plant Treatment	CEVAM	42" Sewer				Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No	Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No	Yes	No	Yes				No
		FREQUENCY OF SAMPLING:	W	TW	TW	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
10	Hydrides	Antimony	●●●							
		Arsenic	●●●							
		Selenium	●●●							
11	Chromium (Hexavalent)	Chromium (Hexavalent)	●●●	●●●						●●●
14	Phenolics (4AAP)	Phenolics (4AAP)								
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane							●●●	
		1,1,2-Trichloroethane							●●●	
		1,1-Dichloroethane							●●●	
		1,1-Dichloroethylene							●●●	
		1,2-Dichlorobenzene							●●●	
		1,2-Dichloroethane (Ethylene dichloride)							●●●	
		1,2-Dichloropropane							●●●	
		1,3-Dichlorobenzene							●●●	
		1,4-Dichlorobenzene							●●●	
		Bromoform							●●●	
		Bromomethane							●●●	
		Carbon tetrachloride							●●●	
		Chlorobenzene							●●●	
		Chloroform							●●●	
		Chloromethane							●●●	
		Cis-1,3-Dichloropropylene							●●●	
		Dibromochloromethane							●●●	
		Ethylene dibromide							●●●	
		Methylene chloride							●●●	

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	Waste Acid Solidification Plant	North Plant Treatment	CEVAM	42" Sewer				Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No	Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No	Yes	No	Yes				No
		FREQUENCY OF SAMPLING:	W	TW	TW	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
16	Volatiles, Halogenated (continued)	Tetrachloroethylene (Perchloroethylene)							●●●	
		Trans-1,2-Dichloroethylene							●●●	
		Trans-1,3-Dichloropropylene							●●●	
		Trichloroethylene							●●●	
		Trichlorofluoromethane							●●●	
		Vinyl chloride (Chloroethylene)							●●●	
19	Extractables, Base Neutral	Acenaphthene							●●●	
		5-nitro Acenaphthene							●●●	
		Acenaphthylene							●●●	
		Anthracene							●●●	
		Benz(a)anthracene							●●●	
		Benzo(a)pyrene							●●●	
		Benzo(b)fluoranthene							●●●	
		Benzo(g,h,i)perylene							●●●	
		Benzo(k)fluoranthene							●●●	
		Camphene							●●●	
		1-Chloronaphthalene							●●●	
		2-Chloronaphthalene							●●●	
		Chrysene							●●●	
		Dibenz(a,h)anthracene							●●●	
		Fluoranthene							●●●	
		Fluorene							●●●	
		Indeno(1,2,3-cd)pyrene							●●●	
		Indole							●●●	
		1-Methylnaphthalene							●●●	
		2-Methylnaphthalene							●●●	

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	Waste Acid Solidification Plant	North Plant Treatment	CEVAM	42" Sewer				Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for AT6s 24 and 27):	No	No	No	Yes				No
		MONITORING REQUIRED FOR AT6s 24 and 27:	No	No	No	Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No	Yes	No	Yes				No
		FREQUENCY OF SAMPLING:	W	TW	TW	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
19	Extractables, Base Neutral (continued)	Naphthalene							●●●	
		Perylene							●●●	
		Phenanthrene							●●●	
		Pyrene							●●●	
		Benzyl butyl phthalate							●●●	
		Bis(2-ethylhexyl) phthalate							●●●	
		Di-n-butyl phthalate							●●●	
		Di-n-octyl phthalate							●●●	
		4-Bromophenyl phenyl ether							●●●	
		4-Chlorophenyl phenyl ether							●●●	
		Bis(2-chloroisopropyl)ether							●●●	
		Bis(2-chloroethyl)ether							●●●	
		2,4-Dinitrotoluene							●●●	
		2,6-Dinitrotoluene							●●●	
		Bis(2-chloroethoxy)methane							●●●	
		Diphenylamine							●●●	
		N-Nitrosodiphenylamine							●●●	
		N-Nitrosodi-n-propylamine							●●●	

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	Waste Acid Solidification Plant	North Plant Treatment	CEVAM	42" Sewer				Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	Yes				No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No	Yes				No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	Yes				No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	Yes				No
		QUALITY CONTROL MONITORING REQUIRED:	No	Yes	No	Yes				No
		FREQUENCY OF SAMPLING:	W	TW	TW	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene							●●●	
		1,2,3,5-Tetrachlorobenzene							●●●	
		1,2,4,5-Tetrachlorobenzene							●●●	
		1,2,3-Trichlorobenzene							●●●	
		1,2,4-Trichlorobenzene							●●●	
		2,4,5-Trichlorotoluene							●●●	
		Hexachlorobenzene							●●●	
		Hexachlorobutadiene							●●●	
		Hexachlorocyclopentadiene							●●●	
		Hexachloroethane							●●●	
		Octachlorostyrene							●●●	
		Pentachlorobenzene							●●●	
25	Solvent Extractables	Oil and grease	●●●	●●●	●●●	●●●				●●●
IS1	Iron	Iron							●●●	●●●

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	North Plant Water Reclaim at 42" Sewer	Scale Pit	Compressor Reclaim	#3 Building
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for AT6s 24 and 27):	No	No	No	No
		MONITORING REQUIRED FOR AT6s 24 and 27:	No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●	●●●	●●●	●●●
5a	Organic carbon	Dissolved organic carbon (DOC)				
5b		Total organic carbon (TOC)				
6	Total phosphorus	Total phosphorus				
7	Specific conductance	Specific conductance				
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●	●●●	●●●	●●●
		Volatile suspended solids (VSS)	●●●	●●●	●●●	●●●
9	Total metals	Aluminum				
		Beryllium				
		Cadmium				
		Chromium				
		Cobalt				
		Copper				
		Lead				
		Molybdenum				
		Nickel	●●●	●●●	●●●	●●●
		Silver				
		Thallium				
		Vanadium				
		Zinc	●●●	●●●	●●●	●●●

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	North Plant Water Reclaim at 42" Sewer	Scale Pit	Compressor Reclaim	#3 Building
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
10	Hydrides	Antimony				
		Arsenic				
		Selenium				
11	Chromium (Hexavalent)	Chromium (Hexavalent)				
14	Phenolics (4AAP)	Phenolics (4AAP)				
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				
		1,1,2-Trichloroethane				
		1,1-Dichloroethane				
		1,1-Dichloroethylene				
		1,2-Dichlorobenzene				
		1,2-Dichloroethane (Ethylene dichloride)				
		1,2-Dichloropropane				
		1,3-Dichlorobenzene				
		1,4-Dichlorobenzene				
		Bromoform				
		Bromomethane				
		Carbon tetrachloride				
		Chlorobenzene				
		Chloroform				
		Chloromethane				
		Cis-1,3-Dichloropropylene				
		Dibromochloromethane				
		Ethylene dibromide				
		Methylene chloride				

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	North Plant Water Reclaim at 42" Sewer	Scale Pit	Compressor Reclaim	#3 Building
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
16	Volatiles, Halogenated (continued)	Tetrachloroethylene (Perchloroethylene)				
		Trans-1,2-Dichloroethylene				
		Trans-1,3-Dichloropropylene				
		Trichloroethylene				
		Trichlorofluoromethane				
		Vinyl chloride (Chloroethylene)				
19	Extractables, Base Neutral	Acenaphthene				
		5-nitro Acenaphthene				
		Acenaphthylene				
		Anthracene				
		Benz(a)anthracene				
		Benzo(a)pyrene				
		Benzo(b)fluoranthene				
		Benzo(g,h,I)perylene				
		Benzo(k)fluoranthene				
		Camphene				
		1-Chloronaphthalene				
		2-Chloronaphthalene				
		Chrysene				
		Dibenz(a,h)anthracene				
		Fluoranthene				
		Fluorene				
		Indeno(1,2,3-cd)pyrene				
		Indole				
		1-Methylnaphthalene				
		2-Methylnaphthalene				

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	North Plant Water Reclaim at 42" Sewer	Scale Pit	Compressor Reclaim	#3 Building
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
19	Extractables, Base Neutral (continued)	Naphthalene				
		Perylene				
		Phenanthrene				
		Pyrene				
		Benzyl butyl phthalate				
		Bis(2-ethylhexyl) phthalate				
		Di-n-butyl phthalate				
		Di-n-octyl phthalate				
		4-Bromophenyl phenyl ether				
		4-Chlorophenyl phenyl ether				
		Bis(2-chloroisopropyl)ether				
		Bis(2-chloroethyl)ether				
		2,4-Dinitrotoluene				
		2,6-Dinitrotoluene				
		Bis(2-chloroethoxy)methane				
		Diphenylamine				
		N-Nitrosodiphenylamine				
		N-Nitrosodi-n-propylamine				

SCHEDULE 2: ATLAS SPECIALTY STEELS

		NAME OF EFFLUENT STREAM:	North Plant Water Reclaim at 42" Sewer	Scale Pit	Compressor Reclaim	#3 Building
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	No	No	No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	No	No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	Event Oriented	Event Oriented	Event Oriented	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				
		1,2,3,5-Tetrachlorobenzene				
		1,2,4,5-Tetrachlorobenzene				
		1,2,3-Trichlorobenzene				
		1,2,4-Trichlorobenzene				
		2,4,5-Trichlorotoluene				
		Hexachlorobenzene				
		Hexachlorobutadiene				
		Hexachlorocyclopentadiene				
		Hexachloroethane				
		Octachlorostyrene				
		Pentachlorobenzene				
25	Solvent Extractables	Oil and grease	●●●	●●●	●●●	●●●
IS1	Iron	Iron	●●●	●●●	●●●	●●●

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 4: IVACO ROLLING MILLS

		NAME OF EFFLUENT STREAM:	East Discharge	North-East Discharge	South-East Discharge	Rod Mill Roof Drain	Mill Pond Outlet	East Discharge
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes	No	No	No	No	Yes
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes	No	No	No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No	No	Yes
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No	No	Yes
		QUALITY CONTROL MONITORING REQUIRED:	Yes	No	No	No	Yes	Yes
		FREQUENCY OF SAMPLING:	M	M	M	M	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●	●●●	●●●	●●●	●●●	●●●
5a	Organic carbon	Dissolved organic carbon (DOC)	●●●					
5b		Total organic carbon (TOC)						
6	Total phosphorus	Total phosphorus	●●●					
7	Specific conductance	Specific conductance						●●●
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●	●●●	●●●	●●●	●●●	●●●
		Volatile suspended solids (VSS)	●●●	●●●	●●●	●●●	●●●	●●●
9	Total metals	Aluminum						
		Beryllium						
		Cadmium						
		Chromium	●●●					
		Cobalt						
		Copper						
		Lead	●●●	●●●	●●●	●●●	●●●	●●●
		Molybdenum						
		Nickel						
		Silver						
		Thallium						
		Vanadium						
		Zinc	●●●	●●●	●●●	●●●	●●●	●●●

SCHEDULE 4: IVACO ROLLING MILLS

		NAME OF EFFLUENT STREAM:	East Discharge	North-East Discharge	South-East Discharge	Rod Mill Roof Drain	Mill Pond Outlet	East Discharge
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes	No	No	No	No	Yes
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes	No	No	No	No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	No	No	No	No	No	Yes
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	No	No	No	No	Yes
		QUALITY CONTROL MONITORING REQUIRED:	Yes	No	No	No	Yes	Yes
		FREQUENCY OF SAMPLING:	M	M	M	M	Event Oriented	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
25	Solvent Extractables	Oil and grease	●●●	●●●	●●●	●●●	●●●	●●●
IS1	Iron	Iron	●●●	●●●	●●●	●●●		

* Daphnia Magna Acute Lethality Toxicity Test

SCHEDULE 5: LASCO

		NAME OF EFFLUENT STREAM:	South Pond				Storm Water Discharge Point	Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
3	Hydrogen ion (pH)	Hydrogen ion (pH)	●●●				●●●	●●●
5a	Organic carbon	Dissolved organic carbon (DOC)			●●●			
5b		Total organic carbon (TOC)						
6	Total phosphorus	Total phosphorus			●●●			
7	Specific conductance	Specific conductance	●●●					
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	●●●				●●●	●●●
		Volatile suspended solids (VSS)	●●●				●●●	●●●
9	Total metals	Aluminum				●●●		
		Beryllium				●●●		
		Cadmium				●●●		
		Chromium				●●●		
		Cobalt				●●●		
		Copper				●●●		
		Lead		●●●			●●●	●●●
		Molybdenum				●●●		
		Nickel				●●●		
		Silver				●●●		
		Thallium				●●●		
		Vanadium				●●●		
		Zinc		●●●			●●●	●●●

SCHEDULE 5: LASCO

		NAME OF EFFLUENT STREAM:	South Pond				Storm Water Discharge Point	Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				●●●		
		1,1,2-Trichloroethane				●●●		
		1,1-Dichloroethane				●●●		
		1,1-Dichloroethylene				●●●		
		1,2-Dichlorobenzene				●●●		
		1,2-Dichloroethane (Ethylene dichloride)				●●●		
		1,2-Dichloropropane				●●●		
		1,3-Dichlorobenzene				●●●		
		1,4-Dichlorobenzene				●●●		
		Bromoform				●●●		
		Bromomethane				●●●		
		Carbon tetrachloride				●●●		
		Chlorobenzene				●●●		
		Chloroform				●●●		
		Chloromethane				●●●		
		Cis-1,3-Dichloropropylene				●●●		
		Dibromochloromethane				●●●		
		Ethylene dibromide				●●●		
		Methylene chloride				●●●		
		Tetrachloroethylene (Perchloroethylene)				●●●		
		Trans-1,2-Dichloroethylene				●●●		
		Trans-1,3-Dichloropropylene				●●●		
		Trichloroethylene				●●●		
		Trichlorofluoromethane				●●●		
		Vinyl chloride (Chloroethylene)				●●●		

SCHEDULE 5: LASCO

		NAME OF EFFLUENT STREAM:	South Pond				Storm Water Discharge Point	Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
17	Volatiles, Non-Halogenated	Benzene						●●●
		Ethylbenzene						●●●
		Styrene						●●●
		Toluene						●●●
		o-Xylene						●●●
		m-Xylene and p-Xylene						●●●
19	Extractables, Base Neutral	Acenaphthene				●●●		
		5-nitro Acenaphthene				●●●		
		Acenaphthylene				●●●		
		Anthracene				●●●		
		Benz(a)anthracene				●●●		
		Benzo(a)pyrene				●●●		
		Benzo(b)fluoranthene				●●●		
		Benzo(g,h,i)perylene				●●●		
		Benzo(k)fluoranthene				●●●		
		Camphene				●●●		
		1-Chloronaphthalene				●●●		
		2-Chloronaphthalene				●●●		
		Chrysene				●●●		
		Dibenz(a,h)anthracene				●●●		
		Fluoranthene				●●●		
		Fluorene				●●●		
		Indeno(1,2,3-cd)pyrene				●●●		
		Indole				●●●		
		1-Methylnaphthalene				●●●		
		2-Methylnaphthalene				●●●		
		Naphthalene				●●●		

SCHEDULE 5: LASCO

		NAME OF EFFLUENT STREAM:	South Pond				Storm Water Discharge Point	Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for AT6s 24 and 27):	Yes				No	No
		MONITORING REQUIRED FOR AT6s 24 and 27:	Yes				No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
19	Extractables, Base Neutral (continued)	Perylene				●●●		
		Phenanthrene				●●●		
		Pyrene				●●●		
		Benzyl butyl phthalate				●●●		
		Bis(2-ethylhexyl) phthalate				●●●		
		Di-n-butyl phthalate				●●●		
		Di-n-octyl phthalate				●●●		
		4-Bromophenyl phenyl ether				●●●		
		4-Chlorophenyl phenyl ether				●●●		
		Bis(2-chloroisopropyl)ether				●●●		
		Bis(2-chloroethyl)ether				●●●		
		2,4-Dinitrotoluene				●●●		
		2,6-Dinitrotoluene				●●●		
		Bis(2-chloroethoxy)methane				●●●		
		Diphenylamine				●●●		
		N-Nitrosodiphenylamine				●●●		
		N-Nitrosodi-n-propylamine				●●●		

SCHEDULE 5: LASCO

		NAME OF EFFLUENT STREAM:	South Pond				Storm Water Discharge Point	Waste Disposal Site
		FISH TOXICITY TEST & DAPHNIA MAGNA* TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING REQUIRED (except for ATGs 24 and 27):	Yes				No	No
		MONITORING REQUIRED FOR ATGs 24 and 27:	Yes				No	No
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No	No
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				●●●		
		1,2,3,5-Tetrachlorobenzene				●●●		
		1,2,4,5-Tetrachlorobenzene				●●●		
		1,2,3-Trichlorobenzene				●●●		
		1,2,4-Trichlorobenzene				●●●		
		2,4,5-Trichlorotoluene				●●●		
		Hexachlorobenzene				●●●		
		Hexachlorobutadiene				●●●		
		Hexachlorocyclopentadiene				●●●		
		Hexachloroethane				●●●		
		Octachlorostyrene				●●●		
		Pentachlorobenzene				●●●		
25	Solvent Extractables	Oil and grease	●●●				●●●	●●●
IS1	Iron	Iron			●●●		●●●	●●●

* Daphnia Magna Acute Lethality Toxicity Test

Ontario Regulations 321/89 and 602/89

SUMMARY OF THE EFFLUENT MONITORING REGULATION FOR THE IRON AND STEEL SECTOR

The Iron and Steel Effluent Monitoring Regulation is made up of the following twenty-two sections:

SECTION 1: DEFINITIONS

Definitions specified in this section, together with those listed in the General Effluent Monitoring Regulation (O. Reg 695/88), apply to this Regulation.

SECTION 2: PURPOSE

The purpose of the Iron and Steel Effluent Monitoring Regulation, to establish a data base on effluent quality in the Iron and Steel Sector for future limit setting, is stated in this section.

SECTION 3: APPLICATION

The application of the Iron and Steel Effluent Monitoring Regulation, to the seven plants and fifty-six effluent steams named in site-specific monitoring schedules, is stated in this section.

Moreover, the monitoring requirements of the General Effluent Monitoring Regulation are stated to apply also to the Iron and Steel Effluent Monitoring Regulation.

SECTION 4: SAMPLING POINTS

Each direct discharger is required to establish sampling points on the seven effluent stream types listed in this section.

SECTION 5: CHARACTERIZATION AND OPEN CHARACTERIZATION

Characterization analyses, for 140 chemicals for integrated iron and steel mills and 127 chemicals for specialty steel and mini-mills, are required to be conducted in January, April, July and October. Open characterization analyses, using gas chromatography/mass spectrometry and plasma technologies, are required to be conducted in February, March, August and November. There will be at least fifteen days between the collection of samples for characterization and open characterization analyses. PCB's and Dioxin (12 compounds) analyses are required on a semi-annual basis.

SECTIONS 6 TO 8: DAILY, THRICE WEEKLY AND WEEKLY MONITORING

The above three monitoring frequencies are specified in the site-specific monitoring schedules for each direct discharger's plant together with the parameters to be monitored. The number of parameters monitored at each frequency varies with the complexity of each effluent.

SECTION 9: EXTENDED WEEKLY MONITORING

This section, which will be in force for a six month period following the end of the twelve month routine monitoring period, requires the collection of samples on a weekly basis from all final effluent streams. Conventional parameters and total metals will be monitored.

SECTION 10: MONTHLY MONITORING

The monthly monitoring frequency is specified in the site-specific monitoring schedules for each discharger's plant together with the parameters to be monitored. The number of parameters monitored at each frequency varies with the complexity of each effluent.

SECTION 11: MONTHLY MONITORING - COOLING WATER

Site-specific monitoring schedules specify the parameters to be monitored for each cooling water effluent stream named in the site-specific monitoring schedules.

SECTION 12: MONTHLY MONITORING - STORM WATER

Site-specific monitoring schedules specify the parameters to be monitored for each storm water effluent stream named in the site-specific monitoring schedules.

SECTION 13: EVENT ORIENTED MONITORING

Site-specific monitoring schedules specify the parameters to be monitored for those process subcategory and final effluent streams, named in the site-specific monitoring schedules, that are discharged due to a malfunction, maintenance activity or emergency.

SECTION 14: STORAGE SITE EFFLUENT MONITORING

Site-specific monitoring schedules specify the parameters to be monitored for each storage site effluent stream named in the site-specific monitoring schedules. The collection of samples from each storage site effluent stream shall not exceed twice in one month or 12 times in one year.

SECTION 15: WASTE DISPOSAL SITE EFFLUENT MONITORING

Site-specific monitoring schedules specify the parameters to be monitored for each waste disposal site effluent stream named in the site-specific monitoring schedules. The collection of samples from each waste disposal site effluent stream shall not exceed twice in one month or 12 times in one year.

SECTION 16: EMERGENCY OVERFLOW EFFLUENT MONITORING

Site-specific monitoring schedules specify the parameters to be monitored for each emergency overflow effluent stream named in the site-specific monitoring schedules.

SECTION 17: QUALITY CONTROL MONITORING

Quality control monitoring for one process subcategory effluent stream, one final effluent stream and one cooling water effluent stream at each plant is specified on a monthly and semi-annual basis.

SECTION 18: TOXICITY TESTING

Monthly fish toxicity and Daphnia magna acute lethality toxicity tests are required for all final effluent streams at each plant. The same toxicity tests are required on a quarterly basis for cooling water effluent streams.

SECTION 19: FLOW MEASUREMENT

Continuous flow measurement is required for process subcategory and final effluent streams. Flow may be measured or estimated for other types of effluent streams such as cooling water, waste disposal site effluent and storage site effluent streams. There are requirements for either direct calibration of continuous flow measurement equipment or certification of proper design and installation.

SECTION 20: REPORTING

Each direct discharger is required to submit an initial report detailing the site information requested in the General Effluent Monitoring Regulation three months prior to the start of sampling under the Iron and Steel Effluent Monitoring Regulation.

The reporting section also requires the reporting of all effluent flow data, flow equipment calibration and certification information and all effluent monitoring data.

SECTION 21: COMMENCEMENT

The Iron and Steel Effluent Monitoring Regulation, except those sections that deal with effluent monitoring and flow measurement, comes into force on the day on which it is filed. Requirements for routine monitoring and flow measurement will come into force on November 1, 1989. The requirements for extended weekly monitoring will come into force on November 1, 1990.

SECTION 22: REVOCATION

The routine monitoring requirements for all effluent streams and flow measurement requirements for process subcategory effluent streams are revoked on November 1, 1990. The requirements for extended weekly monitoring and flow measurement on final effluent streams will be revoked on the May 1, 1991.

Ontario Regulation 602/8
to amend Regulation
321/89

SUMMARY OF AMENDMENTS TO THE EFFLUENT MONITORING REGULATION FOR THE IRON AND STEEL SECTOR

The following amendments have been made to the Iron and Steel Sector Effluent Monitoring Regulation:

SCHEDULE A: CHARACTERIZATION PARAMETERS SCHEDULE

Analytical Test Group IS1 (Iron) has been added.

SCHEDULE B: CHARACTERIZATION PARAMETERS SCHEDULE

Analytical Test Group IS1 (Iron) has been added.

SCHEDULE 1: ALGOMA STEEL

The following three effluent streams have been added:

#2 Tube Mill	Final Effluent
Emergency Thickener	Emergency Overflow Effluent
24" Coke Quench	Emergency Overflow Effluent.

The effluent stream named Tube Mill has been renamed #1 Tube Mill.

SCHEDULE 2: ATLAS SPECIALTY STEELS

The effluent stream named South Plant Water Reclaim has been deleted.

The following two effluent streams have been added:

Scale Pit	Emergency Overflow
Compressor Reclaim	Emergency Overflow.

SCHEDULE 4: IVACO ROLLING MILLS

The following effluent stream has been added:

Mill Pond Outlet	Storm Water.

SCHEDULE 5: LASCO

Analytical Test Group 17 (Volatiles, Non Halogenated) has been included in the monitoring requirements for the Waste Disposal Site Effluent Stream.

SECTION 3: APPLICATION

The analytical principles for Analytical Test Group 26 have been related to Subsection 3(19)(a) of the General Effluent Monitoring Regulation.

The analytical principles for Analytical Test Group IS1 have been related to Subsection 3(19)(b) of the General Effluent Monitoring Regulation.

The analytical principles for Analytical Test Groups 26 and IS1 have been related to Subsection 3(22) of the General Effluent Monitoring Regulation.

Sampling devices that contain a short section of surgical grade silicone rubber tubing may be used for the sampling of the parameters in Analytical Test Groups 26 and IS1.

Subsection 3(23)(a) of the General Effluent Monitoring Regulation, as pertaining to minimum sample volumes, does not apply to the Iron and Sector Effluent Monitoring Regulation.

SECTION 6: DAILY MONITORING

Daily monitoring requirements will not apply in respect of any day in which a sufficient volume of sample cannot be collected because of the collection of inspection samples.

SECTION 17: QUALITY CONTROL MONITORING

Section 17 has been modified in order to make it more legally enforceable. Quality control monitoring requirements have not been changed.

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